



- REPLACEMENT COPY -

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> Novel Mutated Mammalian Cells and
Animals

<130> LEX-0032-USA

<140> US 09/620,607

<141> 2000-07-20

<150> US 60/144942

<151> 1999-07-20

<160> 1848

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 137

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 46, 55, 57, 71

<223> n = A,T,C or G

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cttggtgggt gaggctc                                     137
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<210> 2

<211> 165

<212> DNA

<213> Mus musculus

<400> 2

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gagcacctgg cggggccacct cgaagcatca aggacatcca cgtaatgtgc caggctccctc 120
ttcatcacac accaataaaa aacgtgtaga aggcaaaaaa aaaaaa 165
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<210> 3

<211> 285

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 23, 28, 32, 37, 38, 39, 62, 63, 72, 76, 85, 88, 94, 156,
228, 229, 233, 248, 253

<223> n = A,T,C or G

<400> 3

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aaccacccac catgtggttg ctgggatttg aaactncagg gatcttccag gaaaaaagca 180
gtccaggggg ctcttaaacc cgcttgaagc ccattctctc ccaagccnnc ccnggccatt 240
tcccttncc ttnaaagggg gcattggaaa ttggaatccc cccaa 285
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<210> 4
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<213> Mus musculus

<220>
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106, 132, 160, 163, 180, 184, 198
<223> n = A,T,C or G

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gtgttggaat attggaccnc agngaccttc cennnctgn accannctt ggtggctgat 120
ctccttaaaa anaagtggaac tctgtgttcc ggaactttgn acntgaatgg ggacagtctn 180
atnccgaag gaggaatntc tcattctctt ggggggattt tccccttatg ttcaaa 236
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<210> 5
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 32, 39, 44, 107, 113, 116, 120, 131, 160, 173, 185, 188,
192, 197, 201, 207
<223> n = A,T,C or G

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cgctccacgg cggctcctgc acttgacca actcctgcgc ctgcaanaac tgnaantgcn 120
cctcctgcaa naaaaatgct gctcctgctg tcccgtgggn tgctccaaat gtncccagg 180
ctgtnttntg cnaaggngcc ncggganaaa tgcacgtgct gtgcctgatg tgacaaacag 240
cgctgccacc acgtgtaaat agtatcggac caaccacgcg tcttcctata cagttccacc 300
ctgtttacta aacccccgtt ttctaccgag tacgtgaata ataaaagcct gtttga 356
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<210> 6
<211> 224
<212> DNA
<213> Mus musculus

<220>
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<222> 18, 23, 26, 29, 65, 144, 175, 182
<223> n = A,T,C or G

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gtttncctt ggacagagag ccaccacca tttgctgtcc acttacacag ttaaacaaaa 120
gctatgtca gttctactgc aaanggtgtg tcctaaggaa gcaaacaata ccctnagcta 180
tncagggtga aaaatcctac tagagaaaaa gtcacttgat tttt 224
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<213> Mus musculus

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<220>
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136, 138, 141, 144, 153, 159, 174, 208, 217, 222, 235, 242,
247, 248, 257, 268, 284, 312, 318
<223> n = A,T,C or G

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nnaggggacaa ntgtctcgaa aanttcaacc atgtgagntg tantcgntca acngactggg 120
aaancnccca acgggntngc natntcgcg ctngccccnt gcccatgcag cctntccttc 180
tcaaagactg gactgcgctc gctggccntc atgaaangag tnccaggaag ctagnctccg 240
cncttannac ctttagntcc tttgacantg acattataaa accncctcct ctgtggggcac 300
aatgtgggttc ancccaacngg acatggaagg aaaacc 336

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<212> DNA
<213> Mus musculus

<220>
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138, 140, 144, 182, 191, 203, 240, 257, 278, 293, 302, 318,
319, 324, 328, 331, 354, 355, 357, 363, 380, 383, 385, 400,
404, 407, 435, 446, 449, 459, 468, 488, 493, 495
<223> n = A,T,C or G

<221> misc_feature
<222> 510
<223> n = A,T,C or G

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gnangtacgc tgnacagcagg tgacttcacc ccaactgtgg ttccncacat gcctaggcnt 120
gaaaancacn ncagccgncn atanctctgc gcccctgcta catcttcttg tgatatcatc 180
tngggggccc ntggctgtgc ctntgtcctt gggacaaggc ccgccacgct gggcttgta 240
tgcacctggg ggggtcngct ttccctctgc tgaaccancc catcctgggtg ttngctgcta 300
cnaaggccac tctgttcnng ctcnngggncg ncttaaaaca ctcccttctc gggngncca 360
cantaaggct cttaacacn atngnggggg gaaaaggccn gggngtncaa ttccctcctt 420
gccttggggc ttggntcctt gggggnttnt gggctttgnt gcaaaagncc cccaagaaa 480
ccccctgngc ctngncttct tgccatcaan gtgctgctcc attttctcct 530

<210> 9
<211> 582
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 50
<223> n = A,T,C or G

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aagccccata gagagatccg aagacacact cacccttcct ccgccatctt tccggtgctt 120
cagctactgc gcttgccgag cctcaccggg cggggtagag aggcccgctt cgacgtctct 180
tgtatcatag agacggactc tcgctcccgc aggaggactc aggagcctg agattcctta 240
gcgaatgtga gcgtctggga aaaggtcttg ctagccagga ttccggcaaa aaaccctcca 300
gtttccttcc catcccttct aaggtctcta gagtctgaca cccgtctgga tccaaccctt 360
ttcagttagg ctgtagggtc tcgaactcgg ccgcttggtga acaatttaaa ggctttccac 420

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aatgcatctg cagcttccgc tacggcacgg gctctacaga agttggccgc cttgcttagg 480
tgagggtttt attcccggag acttgaagga ccgacgtggc actcacattt ggtgggcggg 540
tatttgtgga ggatttgccg gaaataaaaa tgtgtcacct ac 582
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<210> 10
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 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 18, 33, 41, 42, 54, 63, 74, 78, 92, 100, 121, 129, 144,
 173, 197, 198, 200, 202, 205, 228, 234, 237, 239, 247, 248,
 266, 270, 277, 284, 287, 314, 316, 335, 339
 <223> n = A,T,C or G

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tcnngccacg ctcnccangc tggatgaaga tnagctgtan ccccaaaagt gcactgctat 120
ngggcgacang catccattcc tcantgaatt tggacgggga atcctgtgaa atntgccatc 180
aatccatcct ccatganntn tntangatgg gaaatactgg gcctgaanag gacnctntnc 240
tgcccaanngg acacgggatc cgtccnttcn gttcccngca tgcncncaa cccactcaaa 300
tgtgaaggat atgnangagc ttggagggac gatgnaagnc ctgggaccgc atggag 356
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<210> 11
 <211> 253
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 54, 58, 73, 82, 84, 87, 95, 107, 111, 116, 121, 123, 134,
 140, 150, 162, 174, 194, 203, 216
 <223> n = A,T,C or G

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<400> 11
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tactcttgta ctntcggaa cncntgntgt ccatncaacc ctgtccntcc nacctngcaa 120
nancagggtca caanttgtn ccagcaatgn aagggtggctc cntcaaccct ggantctctc 180
ctacccagca acanctgccc canctacaaa caactnactg tgccccaaac aggcctgat 240
gagggttcct gaa 253
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<210> 12
 <211> 112
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 60, 84
 <223> n = A,T,C or G

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<400> 12
cagaacaaca acaacaacaa agactcccag gttctcattc tcattgctta aaccacccan 60
aagcatcttt ggcctattat tcancagcaa gatggcttga agaaaaaat aa 112
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<210> 13
 <211> 383
 <212> DNA
 <213> Mus musculus

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<220>

<221> misc_feature

<222> 62, 102, 130, 181, 183, 217, 222, 223, 225, 240, 246, 288, 294, 298, 300, 301, 302, 303, 305, 316, 319, 328, 333, 366, 367

<223> n = A,T,C or G

<400> 13

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anaggcaaag ctgcctcttc catgcccac catgcggacc anaggcaaca tgcctggagc 120
ctatgttcan caacccttgc tcccagtgagg gagtttctaa aaaggcagcc ccactcctca 180
nangctgggg tcccaaaacc caggcctctt ctgtganatt cnnantggga atttctaaan 240
aggcanccat cctcaatgct ggggtccatc cagggcctct tctgtganat tcctgtgtnn 300
nnnncctggg gcggcnaana tttttttnaa agnggggggg gggggccccc ccccccccc 360
cccctnnggg gggggggggg ggg                                     383
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<210> 14

<211> 151

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 31, 47, 79, 105

<223> n = A,T,C or G

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atgatgacac tctctgctng ggcttcaatt acggtatgtg ggcanacaca gcaaacaaac 120
cttcttcatt ttttttttcc tcttttgaac c                                     151
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<210> 15

<211> 207

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 45

<223> n = A,T,C or G

<400> 15

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gtgaagggtg gagggacggc aggaagatgg cgggagccag gcagtaccaa ctctctggcg 120
aagaagccaa gatggagact gagaagtgtt tggggaagag caaaataaa gagcaataaa 180
ataagccgtc cacgggaaaa aaaaaaa                                     207
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<210> 16

<211> 131

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 31, 38, 59, 65, 91

<223> n = A,T,C or G

<400> 16

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aaccnactga agaaaaagac tggacctgat naagaagacg ttggaagaaa gatgcttccg 120
atgactttta t                                     131
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<210> 17
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 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 23, 64, 73, 80, 106, 109, 113, 121, 124, 187, 189, 192,
 221, 312, 315, 338, 352
 <223> n = A,T,C or G

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 ctcgctctgc tactcgnact gcnagttgaa tccggagtct cctgctatgc aaacatctac 60
 cctngattgt aanaggaccn caatgcgttt ctcaaaccct tatgtnaang ccnctctcca 120
 ncancgaggg gcggcgtctg aagaaacgga agacctccat taagaaaaac acactgaacc 180
 ccacgtncna cnaggccctg gtgttcgacg tggctcccga naggctggag aacgtgggtc 240
 tcagcatcgc agtggtaaac tatgactgca tcggccacaa tgaaatgatc ggggtgtgcc 300
 ccgtgggtcc cnaangctgc cgaccacac ggcagganaa cactgggcag anatgtctggc 360
 taaccgcgcg aagcctgtgg aacactggca cca 393

<210> 18
 <211> 148
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75
 <223> n = A,T,C or G

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 atgcttccta ccatnatggc tatggactca cccctgaag ctgcaaacc ccaaataaag 120
 ctttatttta taatttgaaa aaaaaaaaa 148

<210> 19
 <211> 101
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39
 <223> n = A,T,C or G

<400> 19
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 accaataaaa tgcttatgtc catttccacc atccaaaaaa g 101

<210> 20
 <211> 385
 <212> DNA
 <213> Mus musculus

<400> 20
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 caaggcagag cggcagctac ctgagcaatg tgccttcaag gaacaggggg tggatgaagca 120
 gtgtatgggg gcagtcaccc tgaacccggc cgctgattct tttgacatca gctgtaacga 180
 gcctggtgca cagccctttc ggttcaagaa aatttcccg cttggtggac ttctccgcaa 240
 aggtggggag aagattggtg aaaagcttaa gaaaattggc cagaaaatta agaatttttt 300
 tcagaaaact gtacctcagc cggagcagta ggctgcctt ggctgtttc tggattccta 360

- REPLACEMENT COPY -

aaataataaaa cttggtaaaaa gaaaa

385

<210> 21

<211> 256

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 49, 54, 62, 70, 77, 94, 111, 114, 120, 123, 132, 148, 165, 171, 183, 220

<223> n = A,T,C or G

<400> 21

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tntgcaagan gaaacanaaa gcctctccac ccangcctgg aatgtttcca nccnttgtcn 120
agnaaaccca cncagcgtct tgatcatgngc gaattggaac acgcntatgc nctccgggcg 180
gcncgggtcc cagctccact tcgcatatta aggtgacgcn tgtggcctcg aacaccgagc 240
gaccctgcag cgaccc                                     256
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<210> 22

<211> 326

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 101, 126, 128, 131, 146, 150, 158, 162

<223> n = A,T,C or G

<400> 22

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tctggagagc gtataagcgc atgccgctgt ggacttttca ncgatgtcat gctgacaaac 120
tgactnanca ngagttaccc acacangaan cggacatnca tnttacttgc agaccagaa 180
gacgtgacgg gagaccagga aacgtctgcc tcgctgactt actatattcc cttggatgta 240
ctgatcaggc tacattccgc caagtcaaaa acgttgagag aaaaaaatgt ctaataattt 300
cctctgataa tcacaaaaaa ttacaa                                     326
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<210> 23

<211> 161

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 30, 54, 68, 73, 90, 95, 98, 100, 102, 111, 123, 130, 131, 133, 137

<223> n = A,T,C or G

<400> 23

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tgtccaangg aanttcctgt cgtgcatcan cctctctcnc tncagtcgct naaactctca 120
tcnactacan nantgancac ttctccctcg cgtccctec c                                     161
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<210> 24

<211> 147

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

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<222> 25, 28, 33, 53, 65, 67, 68, 72, 78, 79, 88, 93, 115, 116
 <223> n = A,T,C or G

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 aaacncnngt tngataaang taaaatango ctntctatgg accctcggtg tttggnnatgc 120
 ccaatgggga tcttgaaaag cgcccat 147

<210> 25
 <211> 110
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 57, 72
 <223> n = A,T,C or G

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 gaacagcagc ancaggagcg ggcacacctg ctggcgtgca aaaccagcta 110

<210> 26
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 131, 159, 160, 221, 274, 289, 313, 339
 <223> n = A,T,C or G

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 aaagcaaaca gactttggca tcgtagtgtg gctgtgcccc agagccacag agatgcacat 120
 tttctagaaa nactttggga gacacaaagc tttcttcann actttaagat ctggatacaa 180
 ctgagacatc tgaaaaagct acatgtacta tgggtatata nctgggagct ggggaccttg 240
 ggctctcatc ataccatgag aacactcacg gggnaaggaa ggctgttant tagtatttat 300
 gaaggatacc cancttttga ggacattgtt aggggggttna tcttggtttg tttttaaaat 360
 taaaaaagtg tacaagtgtt tttgcttgcc 390

<210> 27
 <211> 395
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 64, 69, 73, 75, 83, 91, 94, 100, 107, 113, 114, 123, 145,
 160, 176, 181, 195, 214, 216, 229, 230, 235, 241, 259, 264,
 272, 274, 282, 283, 298, 308, 335, 358, 359, 360
 <223> n = A,T,C or G

<400> 27
 tttgggcccag aagctgaaga aatgctccaa cttcctgact tactgggtgct gtataggtgc 60
 atcnatctnt ccncngcgtg tangtcggtg nganagtgcn tgaacgnctg agnntggagt 120
 gtngaacagt tctgactgct atgtngactg ggggaattgn accgggtcct ctgganaagc 180
 nccagagat ttcgnatgct gaggcatttc tccncncccc gttttcacnn cttantgaca 240
 naaactctct cttgaaaanc tctnaggagg antngtgggt tnngtatgcc acccttantt 300
 tgtactantt aggattaact tcatctgtga atttnaacia ccccccccc caccacannn 360
 aattgaattt attgtctgtc caataaacat aagcc 395

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<210> 28
 <211> 392
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 21, 58, 89, 94, 98, 106, 109, 118, 122, 131, 140, 160,
 173, 191, 195, 196, 200, 213, 251, 260, 269, 278, 302, 322,
 332, 340, 342, 345, 351, 363, 373
 <223> n = A,T,C or G

<400> 28
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 agcctggacg gacagctacc ccacatgcna tgtntccngc ggtttnttng gaagccantg 120
 gnatgaaatc naccctcaan actggaccaa ataccaggtn tgggaatggc tgnaacacct 180
 cctggacacc naccnntan acgctaagct gcntcccttt ccaggagttc tacattagcg 240
 gaaaacacct ntgcagcatn aatctgcang aattcacnag ggcgacaggc tcaactgggc 300
 anctgctctg gtagcaacct anagcatctc angtggaacn gncantgcag naagtgcacct 360
 ttnccagtcc gcncacgatg tctttgtcca ga 392

<210> 29
 <211> 137
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 44, 55, 62, 71, 77, 88, 89, 94, 101, 114, 118
 <223> n = A,T,C or G

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 tnaactcaca ncaaccncat ggtggctnnc aacnatctgt nctgagatct gacnccnct 120
 tctgggtcttc agacaca 137

<210> 30
 <211> 263
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 125, 157, 182, 218, 219, 220, 243
 <223> n = A,T,C or G

<400> 30
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 agattaccaa gaaaagagtg gactacacac agtctaaaaa atacttatgt gcatatattt 120
 tctanagaaa agtttggtttt caaatttttg tcttganagt gtttactgtt tcttaatagg 180
 tngatgtttg aaataccttc actggagttg aagagccnnn gttttgactc atttgagagta 240
 tgntaaacat ttctctgggc cgt 263

<210> 31
 <211> 369
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 149, 169, 193, 219, 262, 282, 305, 335, 345

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<223> n = A,T,C or G

<400> 31

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ggaccacagc gtgcttcagg gcttcatccc cctccttcan aagttccggc tgccagggtt 60
caggagaata actgagatca ctgcctgaca gcagctgagc cagtcccca tgtgaccact 120
gtaaccactg ccatgcctga gcccagaana cagaacgacg cgctggaana caccagaagg 180
ccacacaata aanagctctt tccttccacg tgatctgant gtcggcacca gtgggcaggc 240
tcttgctctg caaattaaca cncagctctc gtgggggaaa anaaaagggg atagcgctcg 300
gtcancacgg aggaactggg gatccattgc tcatnggtca acatnaatcc tgggttctgc 360
aggcttggc                                     369

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<210> 32

<211> 396

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 54, 57, 63, 67, 70, 84, 88, 91, 101, 109, 127, 129, 134, 139, 171, 176, 193, 201

<223> n = A,T,C or G

<400> 32

```

ggacgatcac ggacgtgcag ctgcgccatct tcgcccaacat gctgggcgtg tcgnttntct 60
tgnttgnngn cctctatcac tacntggnag naaacaaccc naagaagcng gaatgaaagt 120
ggcgctntnt ccgncccang gttccaggac atagtctgag gcaagatgga nggtgngagg 180
gccttcacac ttnacttcat ntctcctacc catcacagca taaaagcaa ctacacctgg 240
atttttccaa acaactttta tttcctcaaa gtcttcctta accctatgga gcaagaagct 300
gccactgaat agggcccgagt atagggggctg ctttcttttc tactccctcc cccaatata 360
aaaatataga tatatatata tagatataaa aaaaaa                                     396

```

<210> 33

<211> 163

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 26, 47, 51, 57, 59, 64, 68, 71, 87, 97, 102, 109, 116, 146

<223> n = A,T,C or G

<400> 33

```

catgggtttc cttgatcgcc gtnatnagag cctgggtgcgg ggacctnacc ngatcancna 60
gtgnactncc ngtcggggac catccanctt cactaanagt cnggggtgcna aggaanacag 120
ggcatctata cttctgatat gaaatntgtg caaataaaac aaa                                     163

```

<210> 34

<211> 535

<212> DNA

<213> Mus musculus

<400> 34

```

gcagagaaca aatgccaaaga actttttgtgc aggtgtgacg aggagctggc ttactgcctg 60
gcaggggaccg agtaccacct gaaataacct ttcttcccct ccattttatg tgagaaggac 120
tctcccaagt gcaattgaca ggctcacatg tccctttgca catggaaacg cacttcactt 180
tcagtgatca ccaacagcat gcaatttgtg caggagagtc accggaggcc aagtgcataa 240
gccacctgcg tttgctttct cttccattc cctgttttat aaaaataagc gctgtgttgg 300
gccagtctga tgaagggttca aagtcctggg cctgttttat aaaaataagc gctgtgttgg 360
gcgtgggtata ctttttgaaa ttcagccttt atgagaagct gtactatctt gtacctgctg 420
caggggtgct gggtcagatgt ggggtgaacac ctgcttaggc tttgctgtgg taataacatt 480

```

- REPLACEMENT COPY -

```

gccacatgat acatctaaga attgtaactg taataaaaaa atgttcccta actgg      535
<210> 35
<211> 638
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 513, 538
<223> n = A,T,C or G

<400> 35
gcccgactgg cccggcagca cctgctgccc ttgctgcgcc ggctggcccg ccgactgagc 60
tccaagaca tgagagaggc tctgctgagc tgtctgctct ttgtcctcag ccagcaacag 120
ccaccggatt ctggagaggc ctccagagtg gaccactccc agaggaagga gagattgggc 180
ccccagaagt gaggccacgg gtcctggaaa cagcaacgcc catcaaagta cttttggagc 240
cggttagtcc aggcgtcggc ccgcacgcac gggcatggac ggcagactgc ccagtgggcg 300
aagacagtcc gggctgagtg caagagggct ctgacctgaa cagttccac tcccctagct 360
cctagcaggc tacagattgt gttgattgac ccttcctctc tgcagctccc tctgccttat 420
ctctggcctc caggggtggc ctgcaaatgc gggatatcaag gtcagttaag agatgatgtt 480
tcacttagac tcaagacaat ttagctaaga agnggtatct aaatccaaac tgtcccgctt 540
accttaaaat tataagccct tgcttccgtt aaagaatgag tactttttaa agcttggtac 600
ccaacaagta gtcaataaac caaggacagt gtgttggt      638

<210> 36
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 23, 41, 160
<223> n = A,T,C or G

<400> 36
aggaattggg ctctcncaca gancaaaacg gggcctaaaag ngggccacga tgcacgttcc 60
gagaacaacc acagaatgtt ccagccctaa gtcagcgcca gatgtcctga ccacaccctg 120
atgccaccaa gttcctgctt ccttggtgtag ctgccaaaan aaaaatttcc actgccccac 180
cctcctgctt gagaagtact tcctcctttg cttgtgcatt taagccttga gccttgctga 240
atacagtgc accttga      257

<210> 37
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 72, 85, 90, 96, 110, 130, 140, 168, 172, 180, 196, 197,
200, 205, 221
<223> n = A,T,C or G

<400> 37
ctgggtctgt gaccctcacn tgcttctcaa gaagaccctg gactctccat ccgctggctc 60
ttcgatcacc anggcctgta cttcnatgan tggatnactc tgtcccagan atacgtcaaa 120
cttaccatcn taccagccn agagggagga tgctggggag taccaatncg angtctcctn 180
cggctacagc ttctannatn aatcncccg cccaaatgtc ngtcactagt gagtgcctg 240
gcctctctct tc      252

<210> 38

```

- REPLACEMENT COPY -

```

<211> 172
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 18, 36, 39, 45, 63, 108, 122
<223> n = A,T,C or G

<400> 38
actcgagaaa gcagccnngg ctgcatctgg caagtntcnc ctccttgga atttgccggc 60
ccnaaaaaag tgaaagaaaa tgaagtcaga taagaatgag aatctganac aagaggcaga 120
cnattgagac cacaggtttt accccccgaa acatgaaaag taatccaaat cc 172

<210> 39
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 17, 19
<223> n = A,T,C or G

<400> 39
aagcggcgac tgcttnnchna gatgtctgaa tggaccagga aagatgtgat cttcctatac 60
gccaagaaat tctaggaaca tcagtttcaa gtcctcagaa gctattctgg ggaagaccag 120
tggacccaat gcatgtggca aactccaaaa aaagacgtga aacaaaaataa ataaaa 176

<210> 40
<211> 253
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 59, 63, 65, 67, 75, 87, 105, 106, 122, 125, 136, 138, 148,
182, 185, 187, 197, 199, 207, 213, 214, 218
<223> n = A,T,C or G

<400> 40
tattaggctg gaccgcgaaa aaccttgcag aacacaagga gctgatcaac actggatcnc 60
ccnancnttc gtttnttggg gctaaancct cttctaaaca tccanntgca ctcctaaaaa 120
anatnccctt ggtatngnct cgtcttcntc ttttctttct gaccccgacg gtgttggctg 180
tnttncncgt ggatgcnang ggtattngga tttncccnngc atcctccaac ttcgttggga 240
agggtttaag gca 253

<210> 41
<211> 319
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 37, 39, 49, 52, 53, 58, 61, 64, 65, 77, 81, 86, 96, 97,
98, 119, 120, 121, 127, 138, 141, 144, 188, 205, 213, 244,
246, 253
<223> n = A,T,C or G

<400> 41
ctagcttcat tatcatancc ccaattctca tagctgngna catactatna cnnnggttnc 60

```


- REPLACEMENT COPY -

```
nctnnaataa acggagntgt nagatnacag ctgtgnntg cactcatgtg tgagtattnn 120
ncatgantct gttttatnta ncancatatt atgctgagtt gcctgatcct cacactactg 180
gtgctgtntc gcagtatatc ttcanttgat cgnaggccct gccacatct ggaactaagg 240
ccantngagt gcntccacc ttactgggtg caggactttg ttcttctgag attattgagg 300
acccacaca cacacacca                                     319
```

<210> 42
 <211> 164
 <212> DNA
 <213> Mus musculus

```
<400> 42
ggcttccct cgctgcttcc cgtttaccgt ttaagatgtg agctctcagc ttctgtgcca 60
agccgctgtg cctgctgcct gctgccatgc ttccccacca tgggtggatcc ttacctctct 120
gggactataa gccaaataaa cccttccttc cttaaaaaaa aaaa 164
```

<210> 43
 <211> 444
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 45, 46, 56, 60, 76, 78, 79, 96, 97, 100, 116, 125, 135,
 166, 186, 190, 213, 216, 221, 230, 234, 252, 264, 283, 297,
 299, 301, 321, 324, 330, 332, 348, 357, 359, 364, 419, 421,
 425
 <223> n = A,T,C or G

```
<400> 43
atctccattc acaacctccc tcccataacc tgggtctgaa naagnncaaa cccgananaan 60
accaactccc tgaacncnnt ccctctcttt ctccanngan gtggctgggg caggangaac 120
tgatnaatat ttcanccgga accctccatg tgattttctt ttcccnacac ttaacagggtt 180
tcaacntgan tcatctgccc cggacctgca acnatntatc natgggtccgn cccnggctgt 240
aggtctgcct cncggaacta caanagggtca tttcctcaat canctccatg gcccganang 300
ntcaggaact ggaggaccgc nacncagtcn tntggggaaa aagggcanaa actgacnana 360
cttnatcacc ttcaaatgac aaatttgcca aatcccaaac ttccaacacc tgaaactcnt 420
ngaantatca aaccttccat ctcc 444
```

<210> 44
 <211> 240
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 66
 <223> n = A,T,C or G

```
<400> 44
tgaaggctta tttgtgtatg aatacatgca catgagtgtc catggaaaac agaagaggac 60
atgagnatac cctggaactg ggattatgca cagcatgggtc atgtgaacag tgctcttctt 120
cactgaatca tctcgatgcc cactgatata agacactaat gagggaaaca gtgggacagc 180
atacaagaac tctgcttttt ctccctcaa aacctaaaac tgctctttaa aaaaagaaaa 240
```

<210> 45
 <211> 421
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 28, 220, 222, 234, 279, 288, 347

<223> n = A,T,C or G

<400> 45

```

agcagtcctt ggactactca cgttcttanac actgcctcag ggctccctgc ccaaggcctc 60
tgcctccggc tgtcccgcct ggaggccccc tgccagcagt ggatggagct gaggacaagc 120
tacacaaacc tggacgggtcg ctgtcctggg ctccctgacac caagccagat aaagccaggc 180
acctataagc tgttcttctga cacagagcgc tactggaaan ancggggtca aganagcttt 240
taccctatg tagaggtggt ttctactatt acaaaggana cccagaantt ccacgtacct 300
ctgctgctga gcccatgggc ctacaccacc taccggggga attaaantga tgtgttacct 360
gaaaaaagcc atctatctgc ctgtttcttt cccagactta gccacccaca caaatcatgg 420
g                                                                 421

```

<210> 46

<211> 113

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 37

<223> n = A,T,C or G

<400> 46

```

tttcagaacc atttacaagt tctgtaatgt ggtanancta taggaggggtg tggcctgctt 60
ctgtcacctc tgaggagtaa tggactgtgt tgtgggtatca ctgggccctt ttc      113

```

<210> 47

<211> 394

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 29, 33, 50, 67, 70, 82, 160, 166, 168, 169, 173, 179, 238, 281, 282, 286, 349, 371

<223> n = A,T,C or G

<400> 47

```

ccagcccaaa gcaagggagg tccagcannc canagtcctg ggcccaggcn ctcttgcaat 60
ccccaanaaa ccaaggagcg tnagtccagc tcccctgcag ccatgcagcc tgtccagctg 120
ccccgcctgg ccttgtctcc accgctccct gcccctccan caccancnnc gngctggna 180
caagtgggtac cctcatctcc tagcccaact cctcctcggc ccacctcagc cccagaanac 240
tccctggact tcctgcgggc tcaactggaaa ctgccaatgc nntcanggaa ctggttggca 300
cccttcggca gggactggcc aaactgaacg aagccctcag tgccctgtna ccccttttgc 360
cgggaaacca nctgacccgc tgcccccgcc ccca                                394

```

<210> 48

<211> 281

<212> DNA

<213> Mus musculus

<400> 48

```

gctggactct tctgtacca gtgttccaaa gcctctggaa ttcaagacct actcctgagg 60
ctacaagttt cttagcccaa gcagcacagc ttctccaccc taggggaacc tccattctcc 120
gtggttctgc agcccagtaa ctctcaggca tgcatagaga gctgatggct cagggtcctt 180
agccagcct cccatcagag ctgacgggaa ctgcctgggg tagacacaag tcacagttta 240
aaagtaaata aatcaagtgc ttctacttcc aaaaaaaaaa a                                281

```

- REPLACEMENT COPY -

<210> 49
 <211> 313
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 26, 41, 61, 76, 94, 107, 116, 117, 120, 122, 124, 136,
 139, 165, 166, 177, 180, 182, 188, 189, 193, 194, 198, 211,
 248, 262, 264, 277
 <223> n = A,T,C or G

<400> 49
 ggcagaggag acggacaacn tattcntggc ttgcaaagca ncagggtggt cgggaactga 60
 ntgagagaga tgccanctac aaagagtgtt cctncaaaaa tttcaancat gtgttnngcn 120
 cncngtccag ggtggncnng gtcgcatcac atgtataact caccnccgc aaatagntcn 180
 cnttcttnna aannctcnaa attaccctca nctctcatga ctgtggcagc ctgacctatc 240
 gggatgtnaa tttggacca tncntgataa aactgengct tctctgtgat ctgcgcctgc 300
 cttgtctgca cgt 313

<210> 50
 <211> 254
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 29, 32, 41, 50, 52, 54, 56, 72, 80, 86, 126, 158, 173,
 196, 218, 225
 <223> n = A,T,C or G

<400> 50
 gtcaggggtg gatcttcata ntacattcnt gntgactccc nactgctgn angntnaagg 60
 atccccctac antccacctn tctacnagaa tcacagatta ttcagcggag aatctgggtc 120
 ccctcnccct tcattcataa ctgggtgtcac tcccatantc tttcaccctt ganctaaaaa 180
 aatgtggtga cacantcta ggaatccctt cacttganaa gacanagtcc agtgggatct 240
 ttgtaaattc taga 254

<210> 51
 <211> 345
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 33, 38, 47, 52, 53, 78, 86, 104, 120, 125, 144, 152,
 155, 163, 164, 170, 176, 183, 193, 196, 204, 205, 221, 224,
 231, 237, 239, 244, 263, 268, 272, 273, 284
 <223> n = A,T,C or G

<400> 51
 gtatccgggt tctgggggtg ggactctggn ggntgctnca ctcgtencat tnntcatgat 60
 gattgggaat aagggtgcngt atatntccc tcagctcctt tctnatctcc ttgatgttcn 120
 tagangtccct acgtgtatgg gtgntaccta cnatncggct ccnngaaagn cttcanagga 180
 atntcctggg canctnctct aatnntcctc aaaacgtcct ntangccctc ngatatntnt 240
 ggangatctt atggctaccc aanaaacnct tnnaaaacct tgtnatctcc tctccaggga 300
 tgggtctgtg atcttcacca ttgagtattt gctgaatgac ctcca 345

<210> 52
 <211> 149
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 31, 37, 41, 46, 60, 61, 64, 68, 69, 74, 78, 133

<223> n = A,T,C or G

<400> 52

```
actggtcaca tagtacttct agacncggtc naaaatntat ngctcnaatg tcctttccgcn 60
ncanatannc gtancttnga tagtttcctg gtgtgtatgc ctttttttagg gtttttcaat 120
taaaagaaca cancaagaat gtcaacgga                                     149
```

<210> 53

<211> 194

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 36, 42, 53, 55, 57, 61, 95, 96, 125, 143, 152, 153, 171, 172

<223> n = A,T,C or G

<400> 53

```
tgtggatcca gggatcnaat catcattacg tggggnatgg anggatatcg gancnantac 60
naggccctgg ctttggccat caaggcaagc cacannacgg gcatccagac atgttggtta 120
cgaangctgt tgtctataaa ganccggacc cnnccccgga agagagagac nnggaaaggg 180
gcggaatcct tgac                                             194
```

<210> 54

<211> 389

<212> DNA

<213> Mus musculus

<400> 54

```
tgtggccgcg aaagtgacaa gctgctttcc agactccacg ggccccggctg cttttatggc 60
cctgcttcac agggagaaga gtggagcaca ggcgaacctc ctcagtctgg gaggtcactg 120
ccccaggacc tggacctttt agagagctct ctcgccatct tttatctccc agagctgcca 180
tctaacaatt gtcaaggaac ctcattgtct acctcagggg ccagggtact ctctcactta 240
accacccctg tcaagtgagc atcttctggc tggctgtctc ccctcactat gaaaacccca 300
aacttctacc aataacggga tttgggttct gttatgataa ctgtgacaca cacacacact 360
cacactctga taaaagagat ggaagacac                                     389
```

<210> 55

<211> 341

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 50

<223> n = A,T,C or G

<400> 55

```
atccatgagc agagctcaca gacaatggcc aagtgtgtca aagntgtcan cgagggcgct 60
caggcagtaa aggagccgct catatgctga gacatctaac agggggaccct ttttgctaca 120
gacagttaa atggacattgct gtaatccctt ataagttaat gttttccaac atgagtctga 180
atgatgtaat atttaaagtt atactatgct tatccgaaaa tgggtattgta cttatcaaaa 240
atcctggcag tttaaaatgt atgtaattgt gtgcaagcat taactagttt aataaaaacta 300
tcattttctc tttcatgttg aaaacactgg aaaaaaaaaa a                                     341
```

- REPLACEMENT COPY -

<210> 56
 <211> 472
 <212> DNA
 <213> Mus musculus

<400> 56
 ggatggagac ctctcctttc ctctggagtc agtgaaaaaa cttaagggtc tccgcgaggt 60
 acaggagccc agactgggtga gtcacaagaa gtttgctccc cggcttcttc agcccgtggc 120
 accacagcta tgtagtagcc actctgcact tccagaagca ctgaggccgg tctgcgagaa 180
 acccaacgcc gaggagatcc tgcagaggct agaggccatt gctcaggacc caaacacatg 240
 tgagatctgt gcctacgctg cctgtacggg atgctagagt gacatcgctt gcctttctct 300
 cagcccatgt ggaagccccct ctatcttcta gaagtcacga ggctaacaaa ctcataccct 360
 cagcatctat tgccctgcca cagcggggag gaggctgagg agacagctac ctggagaagc 420
 cttgcctgag ggctatgtta accctcagcc aataaaccaa acttcagaac tc 472

<210> 57
 <211> 375
 <212> DNA
 <213> Mus musculus

<400> 57
 ggatagactc cggccgggatg ccactcccag ccctgaccaa gaaattgctt cctgtttgcca 60
 gtctggcctg ctctcctgcc tccaacaacc aagctgccga tagcctctcc ttttgtcctt 120
 ggaccttcca tcttctcttc cctctcatcc tttgaccaac cctccaactc tgcttctcac 180
 catcagctaa agggaccagt ccctagggga gccaaagagct cccaaggaag gatgaaggag 240
 agaaggcaag catcccaacc agatccaagg ggacactgtc cccatgctga atgtcagga 300
 ctcttgggtc ctgcctgtt tacggatccc tcattttgtg taataaagtg cattgagtgc 360
 ccctaaaaaa aaaaa 375

<210> 58
 <211> 405
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 366
 <223> n = A,T,C or G

<400> 58
 ggagccccgc agtctgagcg cagcatccgc gcccttggtt gagacgagca ctcccctccg 60
 cttgcgtcgg gccgtgcccc gaggagaggg ggcgggtgcg gtgcaggagc tggcgcgggc 120
 gctggcgcac ctgctggagg ccgagagaca ggaacgcgcg cgtgctgagg cgcaggaggc 180
 tgaggatcag caggcgctg tcttggcgca gctgtgcgc gcctggggct ctccgcgtgc 240
 ctcggaacccg cccttggccc ccgacgatga cccggacgct ccagctgcac agctcgcccc 300
 tgctctgctc cgagctcgcc tagaccggc cgctggcaa gcccaacttg tccccgcccc 360
 tgccngtgcg ccgacacccc ggccccaatg tattatgatg gcccc 405

<210> 59
 <211> 333
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 23, 26, 44, 55, 83, 124, 148, 178, 191, 192, 204, 235,
 249, 264, 267, 270, 276, 281, 282, 283, 285
 <223> n = A,T,C or G

<400> 59
 gcctgaagcc ctagcttgnt cgnagntgga ccttctgct caanogctcc tgctncagcc 60

- REPLACEMENT COPY -

```

aacatggggg aacccgaagg agncactcac gtgcatcttt ctaatgaaca aggtgatgga 120
tcancaggaa gacgagtcac caccgtcttc cttacgaaga tgatgtcaca tcaaaatnaa 180
tatgatcctg nncctaaagg caancgggta ctgaggatga tgaagatgac atgtngacac 240
caagaagcna aaaacgagag gatnatnacn tcccnecgaa nntncccta cgcccgtagc 300
tattcccctc cacttcccgt ctccagaattt aac

```

<210> 60
 <211> 399
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 28, 29, 50, 53, 56, 62, 64, 65, 68, 69, 77, 79, 92, 97,
 98, 105, 123, 134, 136, 143, 149, 151, 152, 174, 214, 216,
 220, 227, 241, 243, 296, 373
 <223> n = A,T,C or G

```

<400> 60
gttaataatt gttgtctgca ngcacacnng acatgcctcc acccccatcn tancanacag 60
antnnttnnc tttccantng cctgtctcct cnactgnnct tgtnatggtt acattatcat 120
ctnccgactc tggntncaaa ttngtctcnc nngttcctga agttggccaa tganattcct 180
ctgaaccttg aatgtggatg acttcaggca gccnngttn cccaaanaaa tggtaaccta 240
nanacacctt cctaaaaggg ctcccacgaa aggggaaagc caggaaaggg caagangacg 300
gaccctgacc actatgaaac agactacacg acaggtgggg aatcctgcga agactggaag 360
aagactgggt ccngggaata tcccctatca cttccgac

```

<210> 61
 <211> 420
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 34, 44, 72, 75, 82, 87, 106, 108, 120, 131, 140, 141,
 143, 144, 148, 149, 157, 175, 180, 226, 238, 252, 257, 261,
 303, 310, 316, 328, 331, 333, 334, 335, 336, 352, 376, 390,
 396, 397
 <223> n = A,T,C or G

```

<400> 61
agctacgacg gacacactct ttacaacaat ncanggtata aggncccttat tcttctgctt 60
gtgtccctcc tnggnatggc cnatgcnact cccggagccc ggggttnat taactgctcn 120
ggaggaagtt ntatctgttn nannactnnt ctctgtntga gcagaggctg acctnttgaa 180
ggggacctga ggcattgccc gttgcaccac aaggccatgg agaacnctga ctgctacnca 240
agcacctcta tnggatntat naccggtgtc cctgtgtagc ggggcctgat ctgtgacggg 300
gantcgaacn tcaacngcgc catctctnng ncnnttatg gcactctgct cnactccagg 360
cgctccaaac agtganatca cccctttttn ctgtannct tcttctcttt ctccctctgt 420

```

<210> 62
 <211> 483
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 412, 460
 <223> n = A,T,C or G

<400> 62

- REPLACEMENT COPY -

```

gacaatggga gcagccaaag ctagcctcgg ccgcatcttc ccagagtcct ccatcttgtt 60
cctatgtgac atgcaggaga aacttcgaga tagaatcctc tacttcccac agatcgtgtc 120
aatggccgct cggatgctta aggtagccca gatgctagaa atccccgtct tgctgacaga 180
gcattaccca caaggtcttg gccccacagt tcccgagctg ggtgctcagg gtctgcgaac 240
catgagcaaa acgtccttca gcatgggtgcc cccgcttcaa caggagtttg aaaaactgcc 300
ccagctgcag tccgtgctac tctgtggcat tgagacccaa ggctgcatct tgcacacagc 360
tctggacctc ctggaccgtg ggctacaggt tcatgtaaca gtggatgcct gntcttctca 420
aagtgaatg aaccggcctt tggcactggc ccgaatgcan caaaatggcg tctttctgtc 480
cac                                                                 483

```

<210> 63
 <211> 197
 <212> DNA
 <213> Mus musculus

```

<400> 63
gcacagcccc tgcctgcctc ctgacaaccc cttggacttt gagaaaaccg acatgattga 60
ccgtcccact tgatgtcctc gcctagaaga gtgacaagag ttttggagtc ttgagggccc 120
tgctgtgtgt ctggcgctcc tggacatcag gacactaaat aaataaagac tgagtactgg 180
gctctgaaaa aaaaaaaa                                                                 197

```

<210> 64
 <211> 200
 <212> DNA
 <213> Mus musculus

```

<400> 64
gttatcgctc agtggccgag cacttgtcta atatgtgcac agccttgggc tccatcccta 60
atactgcaac aggagcaggg gaatgctgct ggtgtcttgg tatctggggc aaaggtgggg 120
ggttaatgaa aagcaactca gactactgaa ccagatacag aaaggcaaat aaaaatcaat 180
gtgttaccat aaaaaaaaaa                                                                 200

```

<210> 65
 <211> 145
 <212> DNA
 <213> Mus musculus

```

<400> 65
agaatgactt ttgccccgaa atctggatga cctccagctt cccccgagcc aggagaaagt 60
ctttgtgaac tgtgaagtga agtcaaaaag actgactgaa tcgaaagagc agatgagtca 120
agagacccat gcaaaaaaat aaaga                                                                 145

```

<210> 66
 <211> 437
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 17, 99, 106, 131, 134, 169, 176, 203, 208, 238, 240,
 262, 308, 315, 346, 400
 <223> n = A,T,C or G

```

<400> 66
acttctgcat tccgcnnctt ctctggatac cccgccttca ggaagacttc caggactgac 60
ggtacccagt ctcggcgccc tcctcccagg agcccttana atggcnaggg tctgggtcct 120
gggaacttgc nccnctctgc attgcttccc atacactgta tttgccttng ctgatncaaa 180
ggcccagagat gctctcagat tanccganac cgcagcaaac attgccagtg tgaccganac 240
aagaatttct tcttaaagat anactcctca ttctgacacg tcacggagtc cctgtcatca 300
caagtcanag tgtanctgga gtccccatcg tcccttctat gtccancaga tccaggacgc 360
ctctttgagg cagatcattg ctgtaggaaa gccccatttn cctttcccca ctatccttgt 420

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- REPLACEMENT COPY -

cctcctcctg tgagtga

437

<210> 67

<211> 195

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34, 55, 71, 105, 128, 133, 149, 162

<223> n = A,T,C or G

<400> 67

ctctcatctt cggaaggctg gcactcatat cganaatatc gatgaaggac ttcanggatg 60
ggctcaaaact nttgcttctg ttggagggtca ttacacggga acgtntgcct aaccagagc 120
gggggatnat gcncagtga ctagatccnc cttaactctc anaatggacc ccaaactccc 180
c caaaaaatcc ttttt 195

<210> 68

<211> 175

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 73, 89, 106, 107, 111, 116, 140, 143, 155

<223> n = A,T,C or G

<400> 68

gcacctgcac ttttcccacc tcagtgcact acaagggtgc aattccctca caggccagaa 60
agagggcctg ganccctgg gaaacggtga accatcctg taggtngaa naattnaact 120
gagtcttctg gaataacaan cantgctctt aactnctgac ccatgtctct ctcca 175

<210> 69

<211> 179

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 46

<223> n = A,T,C or G

<400> 69

ccagaccagc ttgctcaacg acagatacta ttttggaaaa ttgcangcat cctctcaca 60
gccgggggttc tggggaaggg aagaagcaaa gaaactggtt ctctccctg ggctttatgt 120
ttggcaaact tgtttactta aaatccacct ggccccaaa tttccattaa aattgaagc 179

<210> 70

<211> 220

<212> DNA

<213> Mus musculus

<400> 70

ggtctgcaag atgacagagc ctgactccca agttccgtcc tctcaccac tccgctccct 60
cttcaagcca aaaggagccg gctgtctggg gtctgggttg ccttgattca caatccacc 120
tggatctccc aaatttgtga ggaagggtgc taaaaagcta agcgctgctg ccgcaccac 180
tcagctccct cactgctgct gaccattcac aaaaaaaaaa 220

<210> 71

<211> 107

- REPLACEMENT COPY -

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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 28
<223> n = A,T,C or G

<400> 71
aatctccgaa attcganatc aagctgancc gggaacctta atataacttc gtataatgta 60
tgctatacga agttattagg tccctcgacc tgcagcccaa aaaagta 107

<210> 72
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 54, 87, 95, 112, 131, 132
<223> n = A,T,C or G

<400> 72
ctggtgggaa ttgcccccaa gatactgaac ctcaagggtgc aaatgccttt ccanccactt 60
cctgatgcat actcggggccc cctgccnact gcagnctttc gggctgtgtg anctcctgaa 120
ctgtctccga nnctcctgag ggagcctggg cccgatgtcc tcccatggat ccctgctttt 180
gtggcctgct tcattttccc ttcttaatgt acatggttgt tttccatctc cacataaatt 240
tggccccaaa aaaaaa 255

<210> 73
<211> 196
<212> DNA
<213> Mus musculus

<400> 73
gggtgataca attctggaga ctggagaagt aattccccaa tgagagattt tcctgatcaa 60
catcattgaa gagtccttaa aaacttaaca gacttgtgta acagcacaag tatgttccta 120
aagtgtctgta tttactgaat ctgtttcctg gaaaagtaat taataaagct tattctcaga 180
gtgttaaaaa aaaaaa 196

<210> 74
<211> 186
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 27, 62, 79
<223> n = A,T,C or G

<400> 74
agaacaatth atctctngga tacggangaa catcactagg cacattttat gaataactcca 60
antcctaagt tacactgana tctagacctt catttggcag gggtcaggcca ttggatgggtg 120
ttgctgtatt gtcttgtcat gtttttaaaa tctgtgcact ttgtccaaag ttgacatttt 180
tttttt 186

<210> 75
<211> 309
<212> DNA
<213> Mus musculus

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- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 25, 27, 37, 41, 58, 72, 81, 88, 96, 98, 122, 135, 151, 155,
164, 165, 168, 178, 186, 189, 199, 218, 220, 232, 253, 262,
268, 275, 286
<223> n = A,T,C or G

<400> 75
gccccacctc cctccctcga atcancntcg atgaaantca naaaatgtag agtctcanaa 60
tatctgttca anggtctgac ngtcgcanga tcctcncnaa gggatagtct gccgtcccca 120
tngttttctga tcccncgggt caccactgcc nccancaacc tgcnaangc tgctgaancc 180
catcncang accaccatnt tgaagaggaa tgttttctnt actgtattgc cncgtttgag 240
gaagaccacc ccngggcgca cntggcangg agcantgcc aacgatnattc tcgtcctcaa 300
ctggatgaa                                     309

<210> 76
<211> 218
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 30, 45, 46, 64, 71, 93, 100, 110, 131, 145, 146, 169,
171, 175, 181, 187, 192
<223> n = A,T,C or G

<400> 76
ttccaatgac tgccctttna caataaaatn ggaagccaca accanngtct tttggataaa 60
gcancacaat ngacattgta atcgaaggca acnatacgcn tatccttccn taggcactta 120
tctttcccaa ncatgggaaa gatcnnccct cccccactca tccctccenc nctcncactg 180
nctggtnggc tntcagaact atgtaaaata aatatataa                               218

<210> 77
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 116, 134, 363, 376, 382, 386, 392, 408, 454, 458, 470, 507
<223> n = A,T,C or G

<400> 77
attccactcc gttaggatta aagagacaga gtgtacttcc cccaggagag acagcctaaa 60
gactgcgact tcctggagga tggggaggag agaaattgca cagggaaatt cttcanaagg 120
cggcagtcaa cctncctgac cttgacctgc gacagggatt gcagtcgaga ggatacccaa 180
gaaaccagtt ttaatgataa gcaagacgtc tctgaaaagg aaaagttcga agatgtgccc 240
cctcacatca ggaacattta tgaagatgcc aagtatgata tcatcggaac catcctgaaa 300
aatattctagg gctggaaaaga ggagggagggt gctccctgca tactatgacc tcctctttac 360
ctncactacc catctncccc tntctgnattc angatctgcc cctccttntc gcccttecca 420
ggaacacccc ctctagagta ctctagctcc taancatnca tacctttgtn catttgcttc 480
ttctgctggg ccttctgcct taccctntat ctgaaaccct tattgattct t                               531

<210> 78
<211> 233
<212> DNA
<213> Mus musculus

<400> 78
ggaagtacat ttgaagaaca caagtagagg aagtgcagga aacaagacct acagaatgta 60
ggaggagcct cccacggagc agaaaatgcc acatcaccgc aggatccttt gctgcttgag 120

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- REPLACEMENT COPY -

caacctgcaa aacatcgaaa cacctaccaaa ataacaataa taagtccaat aacattacaa 180
agatggggcat ttcccccaat gaaatataca agtaaacatt ccaaaaaaaaaaaa 233

<210> 79
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 22
<223> n = A,T,C or G

<400> 79
tgacgtgaaa cgcgcncccta cnaggggagaa tcaccacact gaaacccaga gagacaaaag 60
aagatgacac tgctggaacc aggatgcagg gccactcctg atctggatgc tgggggttaag 120
caagtgcagg gcaaaggcag agcaaaggct ctgaggcgcc tcttcccgcc atgccgcaa 180
cccctggaga aacacctgct atttcaactc cccaagatcc tttaggaaaa atcattgctc 240
taggcctctt tgatttttct ctcaaaagca atagctgtct gcctcactgt gcctttgttg 300
ctgtggaaga ctgaagatat aaatgagcat tactgggatg ggacgtctgc gtgaagactc 360
actggagatt cctttcaaatt gccatctttc tgtacactag atttctttct ttggatcctt 420
aaagattttt ttccagtgtg aagggttttat ttgttttgtt ttaatgtcta tatttgtttg 480
aaaaaaatca ctgtgatttt acatttcacc acaattaata aacattggga gcttcattct 540
ggtaaaaaaa aaaa 554

<210> 80
<211> 322
<212> DNA
<213> Mus musculus

<400> 80
ccaaaaatgg atttgctgtg cccaccaggc agagacagga gtctggagtc agttcaaggc 60
gagccccagg agtccatcag catgcctcag aactgacca gcaccctgga gcacatcgtg 120
ggccagctgg acatcctcac gcagacagtg tccattcttg aacagcgact gacactaaca 180
gaagacaggc tgaagcagtg cctggagaac cagcagttta tcatgcagag aacgccaccg 240
tgatgagggg agcaaggatc aggagctcag tgattggggg gacagcaggc cagggatttg 300
tatggggact tgagtaaact cg 322

<210> 81
<211> 168
<212> DNA
<213> Mus musculus

<400> 81
ttcaactcca ccactcctc agaacttccc ttggggaaga tctgcatggg ccgcccctat 60
acctccaagt gtgtagagac ggtcacctg acgagaggcc ccaagggtgg caaaaagccc 120
aacctgtcac gcacagccct cactgcctga tctgcacaga ccaaccat 168

<210> 82
<211> 275
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 242, 254
<223> n = A,T,C or G

<400> 82
acatgaggat tccccctgtg angatggagg aaagggtctt gctaccctga ctcaccacaga 60
gccggccgcc ttatggggac tgcagcaaga tggatggaaa atatgtgcag gatctgttgt 120

- REPLACEMENT COPY -

tacaatagac	agaaaactga	actgtagtct	atgtgtagct	tccgaccaa	ggaacttctt	180
gagttaatat	taacttaagg	gactcccttg	ggcaaagtta	ctgatagtgg	ccaaaggccc	240
tncggtctga	ccanctccca	aaaaccaaac	ctgct			275

<210> 83
 <211> 232
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 56, 77, 98, 109, 160, 183, 184, 191, 207
 <223> n = A,T,C or G

<400> 83	
ctcctttgct	ttcctaacca
tgcgaatggg	aaacatcctn
gatagggttc	ggatcnagtt
60	
cctgtggcaa	ggctgantgg
gacggatgga	cccacctncg
gcttgcacng	tgccccctggc
120	
caccccgct	aggtatctgt
ttggactacg	aaacgggggn
gcgggtctcc	ttcctggaat
180	
gcnntgtcct	nccgtgggct
gctcaantgc	cccctggaac
tgctcagggc	ct
232	

<210> 84
 <211> 319
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 38, 50, 53, 56, 57, 60, 69, 80, 96, 114, 116, 128, 136,
 148, 165, 170, 172, 207, 214, 216, 232, 256, 258, 268, 282,
 283, 286
 <223> n = A,T,C or G

<400> 84	
tcttctgctt	gagtccttcc
tgggcatggc	ccgtngcnct
cccggaccn	ggntannatn
60	
gagtgtcnc	aagacagctn
tatcggtat	actacnggtg
tccctgtgag	cgngnctga
120	
cctgtgangg	ggacangagg
catcttcngc	tccatcacca
acgnattan	gnactctgac
180	
tcgactccag	gcactcctat
cggatanatc	tacnngttt
cctgggtaat	gnggttcttc
240	
tctttctccc	tcagtnnat
ctgaaccngc	catctgttgg
cnntntatc	ccacttgctt
300	
cctttccagg	ggctccaaa
319	

<210> 85
 <211> 387
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 48, 58, 169, 242, 255, 278, 312, 343, 355
 <223> n = A,T,C or G

<400> 85	
taatatctat	gctatgatgg
ccttttggaa	cccaagagtn
ggattacnac	acccaganct
60	
gggggaatac	tcatgagtgc
tctgtctggc	ctagctctta
ccacgtgcag	ctttcttctc
120	
ctttccattc	cctattcctc
catttctct	tcccagccct
tccctcagnc	aagcctctgg
180	
gtccttgggc	tctccatttc
ttcattagtc	ccttgtctct
gccctgcac	240
cngcccttcc	ctcantgatg
gttgaggaa	tgtactanac
ccgagaatcc	ccggcctggc
300	
ctgagagatt	anatctgtct
gtgtgtctgc	ttggtcctca
aantaagcag	ctaancccca
360	
tttggttctc	aataaagtg
gaatcac	387

<210> 86
 <211> 406

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<212> DNA
<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 27, 39, 43, 57, 60, 65, 82, 92, 95, 101, 104, 110, 124,
129, 132, 138, 145, 152, 168, 171, 172, 179, 186, 193, 203,
216, 231, 238, 255, 256, 266, 278, 312, 321, 332

<223> n = A,T,C or G

<400> 86

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atggaagaca cttganaccc tcgtccnccg gaggtggcnc canaggaatc tacgcancan 60
gcgtngattg aggagccctt gnatcctgtg anttntccga ntgncctttt acagacgctg 120
cctntaaana gnctagtnct tgtgncttag gnctttcccc tgctctanaa nngcactgnt 180
ctttgnagaa gtnattcttc ccnctacctc ccatgngcca cacttttaat naactatnat 240
tctcctctta gaggnnagnt agaaanccac ggcccaanat tcctgtcact ctcattatcc 300
ctctagatca gnagtacatt ntgagacctg tntcacaagt ggtcatttct cttctctcct 360
gtctggcatc cgatcctaag taaacaagtg actaatataa tcatga 406
```

<210> 87

<211> 540

<212> DNA

<213> Mus musculus

<400> 87

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gtgaatgagc tggatggcat tcctctgate ctggacagca gcaacatcga tgacaacaac 60
ccctttatga tgcagtgggt ggtgtatgct gtgcgaaatc tcaactgaaga caacagccaa 120
aaccaagatg tcattgccaa gatggaggag cagggccttg cagacgcac cctactgaag 180
aaaatgggct ttgaaattga aaagagtggg gataaactga ttctgaagtc taataatgac 240
atccccccgc cttgaatgcc atcttcatat gaacacattc agattccatc tcacggacct 300
ctcatctctg cagtgtatga aatcacaagt attggacatg tagggtagac atgagggagc 360
ctcctaatec ttttagagtaa atgagtgtaa gctacaagtg gacgttttct ttatttcttt 420
gcagtaagtg ttactgtctg cctcaccttt gtccctcttg gtagaactcg ctttcccgtc 480
atatacattg tgcttactgt tgtagtaata aacgtctctg tgggcacagc cctcactcgg 540
```

<210> 88

<211> 400

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 57, 59, 119, 142, 145, 267, 271, 273, 279, 285, 310,
312, 358, 368

<223> n = A,T,C or G

<400> 88

```
tcaaggattc tccgccggcc anagcccaac aggacacccg gactctcgca aaacacntnt 60
ctacaccgat cgggtccaaaa acaaggctct aaaaaagctg aaggctcccc gtccccaanc 120
tcctccacac tctccaaacc ancantcggg agggccttgc tgcttggctt gtggtctctc 180
cttgtcccca atttcggcca cccccgccat ctctgtctct cttttcccg cccccggagc 240
catcccgctc ctcggggctg gtacctnact nanaaaaacn gggcntgaca caatgccccg 300
caggtcaatn tnaactgggg aggaaagccc gctcttcagg acaaaaactc cgaacttnaa 360
agcctgcnct tcatacagct cgggtgaccaa agggggcccag 400
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<210> 89

<211> 212

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 28, 31, 59, 62, 96, 104, 111, 114, 129, 131, 172
<223> n = A,T,C or G

<400> 89
gatctggaag acgccccact gaaattcntt ncggcaaaag gaggggtacgg gaaggattna 60
ancgtcaagg gtcccaaadc ccggagagag agaganatcg ggcntctaga ntcnggggtgt 120
ccaggacant nactgcgcat ctgcacaaac tcttttctaata tatctaacia tnttactctt 180
tcagacactt ctttctatct ttcttttggg gg 212

<210> 90
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 72, 97, 117, 140, 143, 215, 217, 224, 236, 240
<223> n = A,T,C or G

<400> 90
ttcctgtggag ggcagtgaag gggatggaaa cactgactga aactgtaaat cctgccactg 60
ctgtgtgtgc ttaggctgga atctctgcac ctgcctntca ctcaggacgg gggggancca 120
aaaattcggg ggctggcttn tgnatttacc ctggcttcat aacctcagga tattaattc 180
tcatcccagg aatcagctgc caacttttagc ccatncttct tttntataca ccttancatn 240
aaagggcact ttttaaaaaa a 261

<210> 91
<211> 181
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 28, 35, 52, 66, 77, 78, 79, 80, 83, 88, 103, 104, 155
<223> n = A,T,C or G

<400> 91
ctatgtaaat ctgactngaa gcccttanta tagtntcttg gattgtgcac anaatagaaa 60
aatgtntgga aggcaannnn acncttange ttcccaaggc acnnatcttt cccagcatgg 120
gaaaaatcct cctccccctt cctccccctt ctccttcaact ctttctatta tgctctctta 180
t 181

<210> 92
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 240, 244, 248, 259, 263, 267, 268, 270, 272, 276, 278, 284,
290, 292, 309, 317, 323, 325, 327, 333, 336, 340, 345, 351,
361, 371, 378, 395, 402
<223> n = A,T,C or G

<400> 92
ggaaaaccct ccagagcatc ctcagggaaa ggatgccacc ctccagaagt gatgaagaca 60
attcaaggct agggcccaaa ccaacttcca caatgtctca gactctctcg ggaggggtccc 120
gggctgtcag caattctgta aaaggtcagc gtaaatcact tgggagggcat ttgtgtaggc 180
atgggtctctc ataaatgagc gtctgcaaaa cccatatatt tctaaaaaca tctgcactgn 240

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- REPLACEMENT COPY -

cttnaccntg ggttcaaanc agncaanntn cngggncntt cccntgaacn tnaaagggcc 300
 gccaacctng ttttggntat ggnancntcc aancnaggn gaacntcatg ngagatatct 360
 ntactcacat ntcacatntc caaacttccc agcanaggca anaaatcttg ggaaactt 418

<210> 93
 <211> 214
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75, 96
 <223> n = A,T,C or G

<400> 93
 acatgcatcg ccagtgggca aacctgatgg aaaaaatata ggcctctgtg gctaccaacc 60
 ccatcatcac cccantggcc caggaaaatc aatgantatc cttctcctgt cctgcaacaa 120
 catccataatc cagccagggtg gccctgtccc aagcacctct ctggccctct ggtggccctt 180
 gcttaataaa aattctccga gcacaaaaaa aaaa 214

<210> 94
 <211> 445
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 365
 <223> n = A,T,C or G

<400> 94
 gactctagac gtcctctcca gaactcttct caagttatgt ccagatccca ggccctctctg 60
 gctccaattc acactcctga gctctaagga tcacagagct gtcgtctctg tagccagatg 120
 gcaactcctcc atgttccccg gatggccact tatactctca cccctcctct tagccctcca 180
 gaaagatgtg tggcaagggtg ggggatggac atgacgtgaa gaaactcacc ttcaggagcc 240
 ttccttacag caggaggggtc cagaggcacc tggcctgact ccacctctta tgggttgagc 300
 gacattgccca ggtttacacg gcctctgagc ctggactgtg aggctaggaa ctcacgtcac 360
 aaggnttggt gttaaggatc cagttagctg attgggtaga gcacctatga caggacatgg 420
 cgtcctgcaa gcacgcaata aaacg 445

<210> 95
 <211> 339
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 88, 106, 157, 172, 182, 221, 296, 304, 309, 316
 <223> n = A,T,C or G

<400> 95
 catcttggtg tgtttctgtc ttccttggac cacttacagc ttggcaagtg tcctcatcat 60
 cgggtactgct gactctgtcc tctgaanaa tatcttgcag gtgaanaaat tcggcagcgc 120
 tagaaaaaaa tgtcataata ataaatacac tggaaantca tttatctcaa tnacagacta 180
 cntgcaattc aaaaaccgac atactaatct gttgcttaaa ntaaaatcag gggccaaata 240
 aatgattgaa taactataat ttacttcaaa aaaatgcctt gaacaaaatc taaaanctga 300
 accntgtcnc ctaaantaac cttttcattg tataaatta 339

<210> 96
 <211> 264
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 96

```
ggtgggttttc acagccaacg actctggcca tcgccactac accatcgcag ccctgctcag 60
cccatactcc tacagcacca cggctgtcgt cagcaacccc cagaattgag agactcagcc 120
caggaggacc aggatcttgc caaagcagta gcatcccat tgtacaaaaa cagtgttctt 180
gctctataaa ccgtgttagc agctcaggaa gatgccgtga agcattctta ttaaaccacc 240
tgctatttca ttcaaaaaaa aaaa                                     264
```

<210> 97

<211> 292

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 32, 43, 44, 50, 59, 62

<223> n = A,T,C or G

<400> 97

```
tccaacccccg cggacgcacc cgcnaaactg ancagaaata ggnaaaacn acgggcagng 60
cnaatccagg cctggcgctg cgggcgggaa gacgctggcc tcagcgagcg cggctcatct 120
tccagatttag aagattcccc ccgcacacac caggggaccc ccgcaacacc aaggcacaga 180
cagcctccgg acagagctgc cgcccactgg gctctgtccg cccatccgag ccaacactgg 240
ctcccgaata catcataatt tggaataaaa tgtgaaatcc caaaaaaaaa aa          292
```

<210> 98

<211> 218

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 103

<223> n = A,T,C or G

<400> 98

```
gtgggggtctt tcaaagacct tggcgagaaa gccagacctg cgctggagga cctgcgccat 60
agtctgatgc ccatgctgga gacgcttaag caccaaagtc canagtgtga tcgacaaggc 120
cagcgagact ctgactgccc agtgagggtgc ccgcttccac tccccacccc cgcattgggt 180
ttcttacaat aaacctttcc aaaatggaaa aaaaaaaaaa                218
```

<210> 99

<211> 273

<212> DNA

<213> Mus musculus

<400> 99

```
ggaggaagca agggcagtcg gcagagccga cccaccatcg attcggacac aatcacctgc 60
tggaatttgc agagccggtt taaatatgat cataacgtcc agaagtctgt ttctaaaaata 120
tagaaaggca agatgacagc tctaaggatg ccaattttga agaacttga atcttttcgt 180
tttgatttaa accttgggct catctagctg ggtttcctgg tgtgacagga gaaagaaaca 240
gtaataaaaa atggcttctt tgaaaaaaaaaaa aaa                    273
```

<210> 100

<211> 210

<212> DNA

<213> Mus musculus

<400> 100

```
gggccaacag agccaggatt cagcaggagc gccagcagag gcagcagcct cgggcagaac 60
```


- REPLACEMENT COPY -

```
cctccctgcc tccagaaagc tccaggatca tgccccagga cacaagcccc tgagaggctt 120
aactaaatgg gaccttcatt ggtcctctcc ctgctgcctg tccagaacta cacgtgcaat 180
aaactcattt tcagacgcca aaaaaaaaaa 210
```

```
<210> 101
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 384, 398, 408
<223> n = A,T,C or G
```

```
<400> 101
cttgagggttg gccgcagat ccatggacac cttgtgctta gagcccagta gggctcggag 60
catggcatcg gctgagacac ggacccggcg caggggagga cgcttgaact tcccacggag 120
gtccagcacc ttcagcttca ggtccttgat ctgggggagc aaaggagcca ggctctgagc 180
cagggatggt agacctagag ctctcaccct gaggatccaa ccactgggct tccagctaga 240
accatcctac aagtcctccg ggctccagge tagaccatct ggggtgctca gaatctccta 300
cccttttcca agcaatcact acacacgcta aatgttctaa atgaactttt acagattacg 360
cccactagtt aaccttgctt cttncccata acccagtncc caattaantg ataagccaat 420
aaacctttac tccatttggt aaaaaaa 447
```

```
<210> 102
<211> 104
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 31, 61, 66, 67, 70, 80
<223> n = A,T,C or G
```

```
<400> 102
aatattccgg aaactaancc ctatcctgct naccatctcc tgcttctggt tccaggctcc 60
ngaaanncan ttgggaaaaa tgggcctccc ccctccttta taaa 104
```

```
<210> 103
<211> 234
<212> DNA
<213> Mus musculus
```

```
<400> 103
tgcccaggct cccctaagtt tccaagctgg cctccacctt gcaacgctgc tgcttcagcc 60
cgagtacctg gattatagtc cttcagtgct ccgcccagct cacaaccttc tagggtttgt 120
tctgttttta aggaagtcag catttggaag atctacacct gtacaagatg tggaaaatca 180
cttgatcaaa gtaaaacaag gcagaataaa agttggatat gggaaaaaaaa aaaa 234
```

```
<210> 104
<211> 307
<212> DNA
<213> Mus musculus
```

```
<400> 104
agtactgcta ccccgccctgg cccaaggtga agatttaact attagaggat tcaaccatga 60
aggtctgggt atacagtgc tccctgtgac ccagcactc tgtgcagaag caagaagata 120
gcagcaaatt caaggcctgc ctaatgacct acctacaaag tcatacttaa actgagacac 180
tgacgctcag tagaagctga gcagaaggat agagacctgc aggccagcat gttctgtcta 240
gcaagtttaa ggatagggtt acataaggga acccccgtct caataatata aagtaaaata 300
aaataaa 307
```

- REPLACEMENT COPY -

<210> 105
 <211> 324
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 99, 105, 172, 203, 219, 224
 <223> n = A,T,C or G

<400> 105
 tgccaggaat ccttaccgcc tatgtgcac cttcctaagg acataggcgg atgccgagct 60
 gtgtttgtga aatgggtacta taactccaaa actggcaant gtgantggtt ccgctatgga 120
 ggctgcaaag gcaacaaaaa caacttcccg agcaaaattc agtgccaggc antctgcatc 180
 aacacctgac ttgtcaagcc aanccagccc tccatggant caanctccct ggggacccct 240
 gaaggggtttt gtttgtgaat aataataatt gcatttcctt aaatacatct ccctaaaatt 300
 ctgtctatct ccgaaaaaaa aaaa 324

<210> 106
 <211> 183
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 44, 56
 <223> n = A,T,C or G

<400> 106
 gttcagatga tgcaaaggaa cggaaatcct tcaaacacnc aaanacacag tacggnaaac 60
 acagcacaga atgagagcag gtccaggccg aacctcaacc caacctggag ggacatctat 120
 cctgcttggg ccacccccgt ccttgcacac aactttgaca aactccatgg aattaaaaaa 180
 aaa 183

<210> 107
 <211> 132
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 31, 33, 52
 <223> n = A,T,C or G

<400> 107
 ggggtgagaa agatccagag gnaatggcca ngntccctc aagagaagat gnctacatta 60
 taaactccct tttcaacccc aacacccact atatattttt aatatataga aaaaaaagct 120
 aaaaaataaa aa 132

<210> 108
 <211> 214
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75, 80, 84, 88, 91, 118
 <223> n = A,T,C or G

<400> 108
 ttccaaactg ctttttgaga ataaaatggg aggccagaac caaagtcttt tgaataaagc 60

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```
accacaactc taacntgtan ggangaanac naaaccaaaa ggaaaaaatc tttcgcanca 120
tgggaaaaaac ctccctccgg gccctccctt actccctccc tcccttttga cccattttca 180
ctcttccacc atacactcaa taaaataaaa taaa                                214
```

```
<210> 109
<211> 111
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 27, 43, 48, 87
<223> n = A,T,C or G
```

```
<400> 109
atgccactct cttagggttta aaaatcnctg gaataccaaa aancaacnct tcctctggtg 60
ggcaactaat tcttatcttt acatggnaca gggcgggggg gcaggggggg g          111
```

```
<210> 110
<211> 119
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 48, 79, 87
<223> n = A,T,C or G
```

```
<400> 110
atgccactct cttagggttta aaaatcgctg gaataccaaa aagcaacnct tcctctggtg 60
ggcaactaat tcttatctnt acatggnaca gggcgggggg gcaggggggg ggaatttga 119
```

```
<210> 111
<211> 161
<212> DNA
<213> Mus musculus
```

```
<400> 111
aagctggatg tcagatccct gggaggatat gagaggatgt ttccagaaag accgaactaa 60
aaaggaacgt ccaaccctga atgtggagga catcctcctc tgggctgggc tcccagactg 120
agtaagaaga aaataagttg agctcgcccc ccccccccc c                    161
```

```
<210> 112
<211> 226
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 108, 122
<223> n = A,T,C or G
```

```
<400> 112
agggtagagt ggcgactgga aaaacacttc actgtggccc aaagtgaggc ttttgacagt 60
gtttaccgaa agcaaatgca cggggtgcaa aggttcccct gggacacntc tgaaaaggat 120
ancagccctg atggccagcc tgaccctgag cccagcccca gccagcttc tgatgacccc 180
aaccaggat cctcacaata aacttatcac tccaaccaa aaaaaa                226
```

```
<210> 113
<211> 390
<212> DNA
```

- REPLACEMENT COPY -

<213> Mus musculus

<400> 113

```
ctgtgtttcct ggtgcctgtg gaggccagaa gagaatgtca cgatcttcta aggctgggga 60
tgcagactct tgtgagctgc catgtgagtg tgggacttga acagcagcca aatactttta 120
acccctgagc catcacttca gcactctccc cacaccttct ttaaaacagt ctcttgtaac 180
cataactgaa aactatcttg aagcctgaat actcccactg ctatcttgag tgtgtggcct 240
agcatcatgt atcacgcctg gtctatgggg ttctggagtt gaaacaggac ttctgcgtg 300
ctaggaaaac actttccaac caagatacat ctctaccaga attccttttt tggatatttt 360
tgtttggttg ggggtttttt tttggggggg 390
```

<210> 114

<211> 262

<212> DNA

<213> Mus musculus

<400> 114

```
gactgaggca tgctgcagaa gtgtccttcc atcgatgact ttgtggatgc cctcgtgtct 60
gacatgaatc tggactttga aacgttcttc ctggattcta aatagcagca gcatggctcc 120
cgtggataag aaccttgtca ccagaccctc cagctaggaa agctcgctcc agcttcagcg 180
atcactgagg agacattttc tgacaagcct taaattgaca ggactcagaa taaatagtaa 240
tgttttaatt acaaaaaaaaa aa 262
```

<210> 115

<211> 297

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 25, 40, 42, 52, 62, 142, 183, 214

<223> n = A,T,C or G

<400> 115

```
acacaatgta ctccgcnaca tccanctaac tcaactgaan antgaaccgt tncagcctcc 60
anaagggaag acagtgatgg tggcactgga ggcccagctc ggaatgtcgt gggctgagggc 120
caaggggagc cctctacctt antccctcca accctactgg gcaccttccc ctgacctgcc 180
canctcgaa tgtctgtctt gggctgaagc caangggcag cctctacctt atttccacca 240
acctcaccgg gcaccttccc ccgactcatg cttttactgg taaaccgctg ccactgg 297
```

<210> 116

<211> 144

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 98, 107, 111, 112, 119, 122, 126

<223> n = A,T,C or G

<400> 116

```
tgatctgcaa ataaacgcaa acnacagggc cacgcacgag cctcagcccc acgtgtcttc 60
ctcctgtccc ggggtcaaaca attgtggcag taccctnta tctgtcnctt nnagcttcnc 120
cnttgnccaa acccccgatt tcca 144
```

<210> 117

<211> 463

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 39, 182, 236, 443, 446
<223> n = A,T,C or G

<400> 117
caagccggac cctccggaag gcgtgcgcct gcgcacagng ggacacgcgc ctgcaggtgc 60
tctggcatcc ccttgcttcc tggcccttcc cggacatctt ctctctcaag taccgactcc 120
gctaccggcg ccgaggagcc tctcacttcc gccaggtggg acccattgaa gccacgactt 180
tnaccctcag gaactcgaaa ccccatgcca agtattgcat ccaggtgtca gctcangacc 240
tcacagatta tgggaaacca agtgactgga gcctccctgg gcaagtagaa agtgcacccc 300
ataagccctg aagagggact ggatccttga tatcagaccc tgatgtcgtc tacttgaggg 360
tggcaggggtg gcctgtcctg agtctgaata ctgactttcc atgtactggg ctgctccgaa 420
gcactggata attcacttga ttnttnagac ctcaattttc aaa 463

<210> 118
<211> 311
<212> DNA
<213> Mus musculus

<400> 118
gtctagggat cggaagatgg tgggtgatgt gactggagcc caggcctacg cctccactgc 60
taagtgcctg aacatcagca ccttggtcct cagcatcctg atgggttgta tcaccattgt 120
tagtgtcatc atcattgttc ttaacgctca aaaccttcac acttaataga ggattccgac 180
ttccgggtcct gaagtgttcc accctccgca gctgcgtccc tccttgcccc tccctacacg 240
caggtgtaac actcatttat ctatccacag tggattcaat aaagtgcact tgataaccac 300
caaaaaaaaaa a 311

<210> 119
<211> 320
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 74, 81, 98, 127, 158, 219, 268, 302
<223> n = A,T,C or G

<400> 119
tttccaaaat gcctttccag gntagaacca ggctgcggat ctgctggcgg gacacaacag 60
tccatgcatg gacntcccta ntccattaga accggaanag gtcagctcag gaccttttga 120
aaattcnatc aggcaccctt cccctcctgg aagaaaangt gaggaaacaa tctggaatga 180
gataggctga ctaagcccct acaacctcat tccctaaana ccgattattt taaaggggtg 240
actgttctgc caatcatatt gtgcctantt gctgatgctc tattctgccc ctggaaactg 300
tntaaaaact cattgaccaa 320

<210> 120
<211> 284
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 55, 70, 98, 112, 115, 124, 127, 132, 137, 139, 153, 156,
160, 173, 175, 186, 193, 206, 210, 211, 219, 221, 226, 229
<223> n = A,T,C or G

<400> 120
cttacctctc ccaatagtat atcacgcgaa tgtgaatacc accctgggtg aaatnggccca 60
tcttcccaacn atactcccaa actctgatct gctcccantg tcacataacg cncangtgct 120
gcgnccntgg ancctcncnc tgtctctgga tgnacnactn ttgccacatt aangntaagc 180
taatgnntga ctntgaaata aacatncctn nactgacnt nggctnctna aggcctgggg 240

- REPLACEMENT COPY -

aggcaggacg ctccctctctt tcccttttggg aggtcttttg gtct 284

<210> 121
<211> 154
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 30, 42, 51, 65, 97, 99, 102, 110, 127, 132, 138
<223> n = A,T,C or G

<400> 121
tttggggtaa atacaaacac nactgcggtg gtatgaacct cncctctggca naaatcaact 60
gcatnggtcg tggctcttcc ccatccagga tttatcncng angcagtctn ccaatttctg 120
aaacctnatg cncatcantt actttgggct gaaa 154

<210> 122
<211> 376
<212> DNA
<213> Mus musculus

<400> 122
ggtagactct ctgctccagg ttctcaagga aaagggagga actgccagct gaaggggacaa 60
cgacaagggc ggcttccaag gagcaaaaaca aaacccttca aagactgcct tctgcaaacg 120
tcaactctac tggaccatca acaagatttc ctttgtgcaa tttacttaac tattctcctt 180
atctttcaac cgcaactaaa ctctgtgattt ttctgagcagc atcttctggt ttgaacttgt 240
ttctgtgaac cactcactac ttagaaagag ctttccaatg aacgcttttt ccagctaggc 300
tttttggtga ttagattcag ggctccaatt tgctaccatt cacaataaaa agcttccgtg 360
atcacgctgg ccaaaa 376

<210> 123
<211> 161
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 30, 38, 49, 54, 60, 68, 82, 108, 118, 120, 128
<223> n = A,T,C or G

<400> 123
ggaaaaaaca aaaccncagt ggattcaaan tccataanta atttggaant aaanaccatn 60
cctgggganca agtcagtggg cncctgggatc tatctggaca gtaattanca aatggatnan 120
cctgaaangg gcatatgcat aataattatt tgtaagcaac t 161

<210> 124
<211> 185
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 86, 115
<223> n = A,T,C or G

<400> 124
aggaccggac tggaatagga acatacagct ggcaaaacca gtatgagcgc ccagatatct 60
aaatnctgca ctgttttaca tgtgtncctc cagtgtcatc gaaactgttg tctanaacat 120
aaaaacatgt tgggtaccct gaagaatgaa gaaaggggac tggtgaaaac atgggaaggg 180
cttta 185

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```

<210> 125
<211> 115
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 32, 41, 49, 54, 58, 74, 89
<223> n = A,T,C or G

<400> 125
gggaccttca acctgcgacc tcgntttctt cncgctgcc natccgtcng tcangacnag 60
tagtcacctc ggcncctgagc tcagctcang gtagcacccc gatgttggtt ccctt 115

<210> 126
<211> 362
<212> DNA
<213> Mus musculus

<400> 126
gctctacatc acctgcctct caaagtcgcg ccagctaacc agatccccga taagctcaac 60
aaagcctggt cgttcaacaa gacttcccag agttgggtgc cagtagaggg tgatgctgac 120
atctgtgatt gctgcagcca tggcaactgt agtaattcaa gctcttcaca gttccagatc 180
catggacccc gccagtgggc caagctagtt tctcgaaacc gcaggcacgt gaccgatgaa 240
gctgatgtca ctgtagggcc cctgatattc cttggaaagg ccaacgacca gactgtggaa 300
ggctggactg cttctgctca aacctctgtg gctcttgggt taggcctggc cacagtggca 360
tt 362

<210> 127
<211> 230
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 40, 48, 56, 63, 69, 81, 119, 120, 137, 138, 143, 151,
152, 161, 170, 192, 196, 213
<223> n = A,T,C or G

<400> 127
cctcttctgt ttccgggaat caaanggaaa ataacatgtn tgtgtgcnac ccaccnggga 60
aancccaana agtggaaaa ntgagaaaaa gtggggtgca ctggaatgtc tgtcgctcnn 120
aggaggagtg gtggggnnct tcnggacct nnggggatg naaatcgctn cccttcttgg 180
ggcctgttta tncaanttaa tgggtggaaat aancccttt aacattaggt 230

<210> 128
<211> 160
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 34, 41, 52, 54, 56, 71, 74, 76, 105, 114, 123
<223> n = A,T,C or G

<400> 128
ggaatgggcc tcccctcnac cctttataag cgangttgcc nttaaacatt tnancnttgc 60
ttgatcttga ncananggaa taaagggtccc cacctccttc cttcntaact ggtntcgcaa 120
cantaaatat ttgagctttg atcagtaaaa cggaaaaaat 160

<210> 129

```



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<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 31, 41, 45, 46
<223> n = A,T,C or G

<400> 129
atgagggtcta ccttancctg gtgctggact ntgttccgga naccnngtaa agaatcgcca 60
ggacgctata tcggaggcat cgcagacagg ccctgtgatc tat 103

<210> 130
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 86, 96
<223> n = A,T,C or G

<400> 130
aggggagcat gggcctctat actggaaaag gcctgggaag gataacttca ctcaggaata 60
caaatgacc taaatcacag gaccanctgt cccgntccc attctctccc ttaaaattaa 120
ggtttttgca 130

<210> 131
<211> 201
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 97, 125, 168
<223> n = A,T,C or G

<400> 131
tgcccaacgc agcccggatc gtgggagccg cgcgaccag gagtcgtcct tgcacggctt 60
gcaagaacat ggcttgcttc anaaagaaaa tagtttngtc ttctctaaca acttactttc 120
agctngtcga aaatgaaaat aaaaagcact ggagagaaat aatttctngc actttatgaa 180
tctattttta aaataaaaaa a 201

<210> 132
<211> 240
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 49, 87, 97, 102, 128, 140, 147, 156, 166, 168
<223> n = A,T,C or G

<400> 132
cagggatcct gaattgacct gggctctggg ggcaatntgg atgcctgtnt gatcactgca 60
gggggtgcca acctgcaaaa agcattnacc accccnccg ancctttgca aaaacctggc 120
cgttaccnat ttgtcctgn aaccacnct ttccnacc gggaantnaa acccctgacc 180
ctggaacttc ttgaggaaac tgtgcaggcc atggagggtga aataaattgg ctaaaaattt 240

- REPLACEMENT COPY -

<210> 133
 <211> 215
 <212> DNA
 <213> Mus musculus

<400> 133
 ttaagcctga aacctgcttg ctaggggttg agcttccccg ctcaatcttt ctgccccgcc 60
 actgctggaa cctgccgctt tgctgttccg aagccatcac gtgatcaccc tgctactgga 120
 cttcaagatt atttgccggg aattggggcc ctcccgttc ctttataact gagggccgaa 180
 atagtaaaaa ttgaacctg agcagaaaaa aaaaa 215

<210> 134
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 134
 ggtgatggca aggaactaac tgaagacatt actgccctgt ccccttgga atgccataga 60
 aaagaaatag taataaagta atttaagaat cacaaaaaaa aaa 103

<210> 135
 <211> 192
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 33, 48, 49, 63, 71, 75, 79, 80, 81, 97, 100, 133, 144,
 149, 153, 155, 166
 <223> n = A,T,C or G

<400> 135
 gatggctgca gcccgaagga tggagganaa aanccagaga cttcagannc agcttactga 60
 ttngaaattg ncaancaann ncatgactgg actcagnttn acgcaggaat agcatgtcct 120
 taaagcacia gcncaatctg gaggaggcct cangncaatc ctgtancaca taagttgaaa 180
 acctctggaa ag 192

<210> 136
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 349
 <223> n = A,T,C or G

<400> 136
 atgcttgatg aagctgatcg tgacggggat ggagagatta atgaggaaga attcttgaag 60
 atgatgaaga agaccagcct ttattagctg cttgggtgcct tccaagaggt ttggacctcc 120
 tgtaaacagc ttctctgtta agcagttcaa tgatgtaata cctgagtgtg tccatttcta 180
 cgttttagttt aggttagtcc cttgggtgtct aatctgtgcc agaagttata tgtccctacc 240
 aatgtcatta aatctgtagt agtaagaaac aaacagacaa acaaacgcat gattttatttg 300
 aactgtgagc cccaaaacag tatttccata tggtatttta aagtcgtana ttccaaagac 360
 atttgacttt tattttttcag 380

<210> 137
 <211> 250
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 93
<223> n = A,T,C or G

<400> 137
gggtgaacag ccagcagaat gtgcagcaga gcccagaatc cctcattgtc ccagagggag 60
ccaggacctc tctcaaactgg actttttaagt ggncaggtgg cttttaagta tttctggtgg 120
gtacagacag cattctggga aagcccccaa ggccactgatg tccatcttct ccaatggtga 180
aaaagaagaa gggagattca caattcacct caataaagcc agtctgcatt tctccctgca 240
aaaaaaaaaa                                     250

<210> 138
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 93
<223> n = A,T,C or G

<400> 138
tgaaagggttt tgctagagca tcctgggnag aatcatcttg gaggatgggt ccagtcctgt 60
atgacttgta aaggaaagag tcaccttacc tgngaattgtg ccatccacct cataaatatc 120
catttttaaa acaagctact taaaatccac aacagaggac tccctgtgcc gctatccccc 180
cttgggacaa tccacttcaa tctgtttggc tggcttgctt tgctttgcta aataaactgc 240
ttccatgctg aaaaaaaaaa a                                     261

<210> 139
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 426
<223> n = A,T,C or G

<400> 139
tttaggtagc tcctccgtac atcagctgct acaccaggtg cctggaacat gagtgccctt 60
ctgctggccc cactctggac tttttggttg gaatcagttc tgaaatggca ggggactggc 120
atcagccagt cctcagaaga cattcctgag cactgagttg tcgttactga atgaagataa 180
tgtcactgga tttgtctcagg gctctcaaag caagatacac agtgatcatca gcgggctctg 240
gaagggtggc agcgtgcct cattgtggaa gtcctcccga ggctctcttc cctgtttgct 300
attgagctgt tctccctct tctggcccct ggacctctcc atatttctca atcccatctg 360
cttttagtagc tatggaaatt ctgtgtgcat ttgtgtgtt cttgccgata cgttttcctt 420
ctctgncact ttcacttttc attttcaaat gaaaataaaa gtatttggtt tgtggggag 479

<210> 140
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 306, 429, 439, 448, 482
<223> n = A,T,C or G

<400> 140
tccagacccc ttccaggctg aggaccctt caagtccgac ccatttaaag gagctgaccc 60

```

- REPLACEMENT COPY -

```

cttcaaagggt gatcctttcc aaagtgatcc cttctcagag cagcagacag cagctacaga 120
cccatttggga ggggatcctt tcaaagaaaag tgacccattc cacagctcaa gcagtgatga 180
cttcttcaag aaacagacaa agaatgaccc atttacctca gaccccttca caaagaaccc 240
ttccttacct tcaaagctcg acccatttga gtccagtgat cctttttcat cctccagcat 300
ctcctngaaa ggttcagatc ccttttggaa cctagacccc ttggaagca gctccttcag 360
cagtgccgag ggcttcgctg acttcagtca gatgtccaag cccccacctt ctggccccctt 420
ctcctcctnc ttgggaggna caggattntc agatgacccc tttaaaagta aacaggacac 480
tnctggtctg ccttcgaaaa agcccgcctt tttcacgg 518

```

<210> 141
 <211> 369
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 322, 339, 341
 <223> n = A,T,C or G

```

<400> 141
ggtacattcc ttgaacttcn agcaacagat ggccttgacc gccactcac cgactgcacc 60
atcgtcaaca gtggcaagat agatgtgaaa acaccctttg tggttgaggt ccctgattgg 120
tgacagaaat ggcggaagac aggaaacaca ctggctggcc catgtgcaca tctgtgatcc 180
accagcagtc ttttagttac ttaaaagttg tagttaaaaa aattttctcat ttaattttcc 240
agtctcgatt gcaataacaa aatcaaccac acagtcagat gtctcaacaa acacctgtca 300
tcccagattt tgggaagtgc angcaggaag atcaagggnt naaaggccag cctggctaac 360
agtaagttt 369

```

<210> 142
 <211> 238
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 36, 183
 <223> n = A,T,C or G

```

<400> 142
agaactgggt ctgagccctg agacnccaca tgtacnccag caggaagcta ctgcagtggg 60
gtgagacagt caaccacact tggacccaag ctgactttcc aggttctgac tccaccctta 120
ggccttccag tgcacagcta cttcctgccc ctgaactgct catacctcct tcccttaggc 180
agngctcttg atagaccac ggtactgctc accattatgt ccgactcaaa aaaaagaa 238

```

<210> 143
 <211> 407
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 378
 <223> n = A,T,C or G

```

<400> 143
ccggagctcg gccagtggga tataaaaggc tagccacgcc ctggaggggg ctgtcttggga 60
gcattggagg agatggaaaag ttggagaccc ataccacact tccaacatc ctgaagaagt 120
tcaacccttc catcactgga ttctctactg gtaccctgga caacaaggca ggattaaatg 180
tggcagaaga aggagccaga gctcaggaca tgccggccca ggctaagacc ctggtgaaga 240
agatgaaaag cacacctaca atcaacctac aggaagactg gaagctgatt acactcctca 300
ttggaaacaa cgacctgtgt ctttactgtg agaatccgga ggacaactca actaaaagag 360

```

- REPLACEMENT COPY -

tatgtcaagt tcatccanca agccttggac attctctatg aggagtt

407

<210> 144
<211> 440
<212> DNA
<213> Mus musculus

<400> 144
gaggtggggt ctttcagacg gctccacggc cctgatgtgt gcatgtgagc acggacacaa 60
ggagatcacc gggctcctgc tggctgtgcc tagctgtgac atctcactca ctgaccgcga 120
cgggagcaca gcaactgatg tggccctgga cgctgggcag agcgagatcg catctatgct 180
gtactcacgc atgaacatca agtgcctggt cgctcccatg tcagactacg agagtccggc 240
ttcgtcttca gccgaggagt gaatacaggg aggagccagt gagtccccca ggacccacca 300
gccacaagcc acgcatcaaa ccgtccctcc tccatccctc tgtcccatc tgccctcgga 360
ttcctcagcc cctgaacttc cctgagggag ccctgacatc taccagggtc aagctcctgg 420
aagcctttcc cagcacaggg 440

<210> 145
<211> 165
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 20, 21, 45, 47, 48, 49, 51, 52, 61, 87
<223> n = A,T,C or G

<400> 145
gagccttaag gctcgtacnn nggaccgtat acctgcagac tgcctnnnc nntcgtcct 60
ntgcagagaa attcccttcg ccacatnctt ctcttgccaa actgaaagct gctgcaggcc 120
attgagccct gctgtcaaaag ggggtgggtgg gactgggtgg aggtt 165

<210> 146
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 403
<223> n = A,T,C or G

<400> 146
gattattatt atacatctgn actgcgtttc cagaacccca gctggcccga actttactgg 60
atttaaacad gaaaatgcag cagctgaaga agaggcagga ccaggagcta gcttccaaac 120
cccagagccc gcaggataag gagatgaatt ccgagtgtgg aagcgcatag tggagagtcc 180
gaggccacca ctccaaagca accctgagcc ctgcgccgtaa cagggcgctc tgaaaccctc 240
ctagcattaa cactagcgat gcttatgtgt gctctaaagg acaatttgtc cagcgaaaac 300
ttaggcttaa ggaagaagtg gggaaaaaag ctaagaaaag gggcgagact tttttgtttg 360
tttgttttaa aaatgttcat tcattgggtt gactgggttat tgncttatta gtcgaaagga 420
agaaggggtga aagga 435

<210> 147
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 50, 53
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 147
attcaagcca actactcgct gatggagaac ggaaacancg aagtgctaan canggagctg 60
agtcctgatg gaaccatgaa ccaagtaaag ggtgaagcca aacagagcaa cgtctcagag 120
ccagccaagc tggaagtcca ggt 143

<210> 148
<211> 237
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 118, 126, 128, 135, 144, 145, 155, 156, 161, 166, 179, 189,
191, 210, 213
<223> n = A,T,C or G

<400> 148
agatgccctc tcttaggttt agaaatcgct ggaataccaa agagcaacgc ttcctctggt 60
gggcagctga ttcttatctg tacatgggac agggcggggg ggcagggggg ggggagtnca 120
tacatnanga cccgnagggc ttgnnggcca atcannctag nccagncagt aagctccang 180
atccattgng nctgtggtct tcaagagctn tgnacacca cagacataaa aataaag 237

<210> 149
<211> 311
<212> DNA
<213> Mus musculus

<400> 149
gtcaaagcac agctcgaaga ggaaaccaat gagaaatatg aaatattcaa agccgttgag 60
tataaaactc aagttgtcgc tggagtcaat tacttcatta agatggatgt agggggtggt 120
tgtttcaccc acataaaagt cttcaaggat ctttctggaa agaataattt ggaacttact 180
ggttaccaga ctaacaaaac cgaggatgat gagctgacct acttctaagc agcaaattct 240
aaagtgacct gattcctctc attgtaaact gattcggcca tcaataaaga aatattctcc 300
aaaaaaaaa a 311

<210> 150
<211> 241
<212> DNA
<213> Mus musculus

<400> 150
gatgccccta gacctggatg ccctgtctcc agaagagcgc agggcccggg tccgaaaacg 60
ggaggctcag ctccagcaga agaggaaga agagccagag gtggtggaca gttttgacac 120
tgaacgatat aaacagtttt ggaccaagac caagaaataa gtctgtcagg gagttccacc 180
agggacattt tgtaaggatg gagggcatct atctattttac catacgttct tgaaaccata 240
a 241

<210> 151
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 21, 33, 41, 43, 46, 54, 63, 75, 80, 82, 84, 86, 98, 109,
113, 124, 128, 129, 142, 149, 152, 183, 248, 265, 366
<223> n = A,T,C or G

<400> 151
cgcccccgga accctgnttg natctcctga agngtcctgc ngnccnagga aagngaccct 60
acncgcggtt gaagncctcn tngncnccca cagacggntg cccagatcng cangacgagc 120

- REPLACEMENT COPY -

```

atcnccgunc accctcgccc tngaccctnc ancctttctt agagaccctt agaccttgaa 180
ctnccactcc caacagcact gaccacctgt cccaccaggg ctgataaact ttaccatact 240
tttcagcnaa aggtgacaca tggangctct gaccaacctt atccatctac aacaaaaagc 300
ttgcatgggg aattcatgtt ttgtgccttt gagatcaact ccttagcata actatgacaa 360
aattgngatt taaactgatt aaatatgaga tcaggtgaaa gtaatagata caaagtagaa 420
tcagcaacca aaatgctctc atttttaata agccatgtaa taaaattcct attatcttca 480
taa

```

```

<210> 152
<211> 310
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 87, 157
<223> n = A,T,C or G

```

```

<400> 152
gccccaaaga agctggaagc acttcagaag cacagactgg gggagctgcc agcccgacc 60
ggggatgaga acataacacc ttaactnccc attccccctg caagcgcccg tcctggacaa 120
cgctttgcgc gcctttccct ccgagatcaa taaccgnacc ctgcaccctc cctccgggga 180
actgattaga acaaccgggc ttgcgtcctc gggtcactaa attctccact tcgacctttc 240
ctccccccca ctccccgaaa gcacgtgcaa aaacgggtaa aacggtcttg gtagctggca 300
aaaaaaaaaa

```

```

<210> 153
<211> 397
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 161, 164, 171, 177, 180, 202, 207, 209, 228, 231, 236, 237,
244, 272, 273, 286, 290, 293, 295, 321, 340, 345, 350, 359,
377, 378
<223> n = A,T,C or G

```

```

<400> 153
ggcaggctgt agcgccacca ggctgcctgg tgacgggcag acgagcaccg gagacgcctc 60
ctcgcaagag cctccctcgt accctcccat ccaggctcctc caggccagag tgtcttccag 120
cagtcctctc gaggtctcct ccatcaactc ggacctggag nggnaccctg nagatgnan 180
ccttgaaagg aaaaaggagc gngaacnct tagagtgcag gtgcgcangg nctgtnnag 240
ccngtggat ttggcctctg atgactaaca tnntcgggag ccaagncatn agntnggaac 300
tcaaagtcgg gagtctgtca ntgactagat ggggaccaan ctatnaggcn acccaggtna 360
ggaatggaag ctgctannga cactcctcag ggagtga

```

```

<210> 154
<211> 343
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 16, 32, 33, 87, 107, 118, 135, 137, 155, 159, 166
<223> n = A,T,C or G

```

```

<400> 154
aaggtcagaa caacancaac aacagagacc tnncagggtt tcattctcat tgcttaaacc 60
accagaagc atctttggcc tattagncaa gcagcaagat ggcttgnaga aaagaatnca 120
tatcatatac gaacnantgg agccaggctc caaanctna actttncaca acccctggag 180

```

- REPLACEMENT COPY -

```
cagcagcagc agcccgaggg ccaagcatcc agagcactaa ataattaagg tcagaacaac 240
aacaacaaca agacctccca gggtctcatt ctcatctgctt aaaccaccca gaagcatctt 300
tggcctatta gtcaacagca agatggcttg aagaaaaaaa taa 343
```

```
<210> 155
<211> 120
<212> DNA
<213> Mus musculus
```

```
<400> 155
acccacacag tagcaaatga accaactctg acctccccctc tccccctccc ctctccttcc 60
cctctccagt agtcaactcca gagacaccca aaataaaaaa tttaaatagt aaaaaaaaaa 120
```

```
<210> 156
<211> 120
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 60, 92, 96, 99
<223> n = A,T,C or G
```

```
<400> 156
cctctcttag gtttagaaat cgctggaata ccaaagagca acgcttcctc tgggtgggcan 60
ctgattctta tctgtacatg ggacagggcg gngggncang ggggggggag ttcttaaact 120
```

```
<210> 157
<211> 356
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 45, 197, 337
<223> n = A,T,C or G
```

```
<400> 157
gcaagggtgag aaaattattc tggagttcct gtcgaaggtc ttgcnnggtgc cttttactgc 60
catgtcggag gagagcatct ccgcgaagct gaagcaactg aaagccgagg tggtcgcaaa 120
gaacaacagc ttcgtaaacc agatcatttc acggataaag gctccggctc cgtgagggga 180
cagtgggtgg gcgtgcncgg gggagctcac ctttactgtg tgctgttctg ggtagtgctc 240
cccactggaa cctggcctag cagcatccgg aagtgttttag tgatgcttga aaacattacc 300
gtctgtagct gggcgctgtt taaatgggga cggggcanctg tgagcactat gctgaa 356
```

```
<210> 158
<211> 152
<212> DNA
<213> Mus musculus
```

```
<400> 158
agcaggggatt cccaaggatg aagccttcag cggacgcttg agccccccga gccccaaaca 60
caactgtacc ctgttacttc tgcttcagct ctgacctttt ccgtcctctg taaatacaat 120
aaaaccccca ttctcatctg caaaaaaaaa aa 152
```

```
<210> 159
<211> 572
<212> DNA
<213> Mus musculus
```

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 537

<223> n = A,T,C or G

<400> 159

```
tcctcctgat ctggaagaag ctgccaaaac tgaggctgag aatacgatca cctactcact 60
tctcaagcat cccgaagccc tggatgaaga aacagagcat gattaccaga accacattta 120
gtctcccttg gcattgggaa aagcaagcca gaaaggccag gatctagtgt ctctgggtcc 180
aagggatgct gtagatatta aagaaaacat ccagagtcac ttctgtgagt cctgaaacca 240
acagacacta agagattggt tcccagtggg tgactgtact aatgactccc ataacttaca 300
gcttcccaac tcaagactct tctgctatcg atccacactg ccactaaaat taatcaactt 360
actgccgtta agagactgca gcaacgtggg aactgcttat aattcacgct aagataagga 420
gaacaattaa tgtaggatg catcatctcg gtgatgataa accagacttg taccaacctg 480
tcaaaggtga tgcttcttta taaggaaact caattttttt tattttttcta taaaggnccg 540
atggtacttt aatagtaaaa tgttgtaaaa ac 572
```

<210> 160

<211> 207

<212> DNA

<213> Mus musculus

<400> 160

```
aaaggttata aaaagaaccc aacctctaaa cctgggaaga acagtgcctc agaggaagac 60
catctgcctc ttcaggtcct ccagtcccac tgacgggtcca gatgcggcag cagcaggctg 120
gcagggtaga gtagggaatt ttgccagcca cacccgagggc tactgaattt tgggtggaaat 180
ataaatatth tttgcataaa aaaaaaa 207
```

<210> 161

<211> 121

<212> DNA

<213> Mus musculus

<400> 161

```
ttaaggaatt atcctctagt gaagtttccc tgtgaagact caaatctgat tttctgagca 60
tttctacca cagctggaag cagagctgga tattaaagga gctacctctg aaaaaaaaaa 120
a 121
```

<210> 162

<211> 167

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 29, 33, 34, 48

<223> n = A,T,C or G

<400> 162

```
gactgagatg aggtcagcaa gaccagana gcnnctggg tttgaccnga ccacaagccc 60
ccctgaagat gtattctaca aaccgggca gctgggtcac ctttgatgat gaccctgctt 120
ttcaatcttc tcagaaaaga aaggattttt ctctggaaaa aaaaaaa 167
```

<210> 163

<211> 320

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 100, 140, 153, 181, 193, 209, 248, 252, 257, 265, 267, 271,

- REPLACEMENT COPY -

275, 277, 281, 295, 296

<223> n = A,T,C or G

<400> 163

```

ggagccggtg tggcagcagt accaagatgg tgcccaggac tgaagctaag tcttatgact 60
tgtatctgac ttcttcatac acctgaaagt aagccacgan catcgtgtga actgcgagcagg 120
tacaccatga tgcaagatcn gaccatatga cangtgatga ttctggctga tggactgctg 180
ntacatggac tgnngctgatg gggcgtggnt gaggggttgt ataagggtatt gcaattggcg 240
gcggaggnga angaaanatt actananaga ntgantnctg nagaaagatt cctgnntgca 300
tgttgaaagg ttcctgaata                                     320

```

<210> 164

<211> 476

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 459

<223> n = A,T,C or G

<400> 164

```

actgaggttg agtgaggatt tgccatgtcc caggcattag cctgagtgaac acaggggaagt 60
cgccctctca ggaactgatt tgagaccccg agactccctt ccatgatgct ctcagccacc 120
atggaaacac cggaagcctt ctgtctgcca agccctgacc tgggctgtag ggagactgat 180
gaattgatcg gacatgacat tcacactcca gtaggtggg agagcatacc tgaggaactt 240
aacacagtct gcagacttac tggagacggg ctcatgtagt ctaggctagc tatggacttg 300
ctttgtaggt acagataggc ttgattttcc cccatttttg agacatgggc tctctatgta 360
acccttggtc ctcttggaat tctctgtgga ctaggtgtgt tttgaattta cagaaatcca 420
cctgcctctc tgcctctctg gtgctgagat taaaggtgng cccacaaaaa aaaaaa 476

```

<210> 165

<211> 450

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 39, 58, 82, 83, 107, 118, 128, 129, 160, 162, 175, 186, 200, 202, 208, 211, 226, 259, 274, 285, 289, 309, 317, 318, 325, 329, 339, 346, 355, 357, 366, 368, 373, 388, 390, 392, 403, 410, 412, 415, 424, 426, 431, 434

<223> n = A,T,C or G

<400> 165

```

agtaatatcc attatgactc agggatgggc tctaacttnt ccttctgttg gaggtcantt 60
caggggtagc gtttgcctaa tnnttagcgg gggaagatgc tagtgcnaaa gatctgcnat 120
gtacactnnc ccctggactt catcgccagc aagggagtcn anctgggtgc catcngggcc 180
taaaanattg tggatggccn tncccganac nacctgggag tgatcnggac catcatcctc 240
agatctgcca ttccacgant tctctgtgga atanactctg cttgngacng accctcctct 300
ggtgccatna taaatanncc ccctntgana agcgtcacnt ccccancttc cttcncngct 360
ggaaangnca ggntggcctc caatgctntn tncctccggt cntgcctcn anttnatttg 420
agtntnataa nctntcgtaa cggattaccc                                     450

```

<210> 166

<211> 429

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 127, 211, 217, 232, 234, 246, 394

<223> n = A,T,C or G

<400> 166

```
ggtcccagac agcatggggt ctcggttctt cctggctcta ttcttggtca tcttgatgtt 60
gggaaatgag gtccagggga accaggaaga tgactcgggc agcctggctc tgctgggcac 120
ggtgcanggc tccctcttaa gttactggac ctctgccaag gaggttgcca aagacctgta 180
ccagaagaca taccgatca gcatggatga naaattnagg gacatgtaca gnanaagctc 240
ggcggnecatg agcacttacg caggcatttt tacagaccag ctccttactc tctgagggg 300
agagtagctg ccaaagcaag cccaagtta ggggaaagga aaacctgatg acagacaccg 360
cgctcttttg ctgcggtcac cagaccagga tggncctaca ccacctgtc ccaactggtc 420
cgcttttctg                                     429
```

<210> 167

<211> 106

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 31, 32, 50, 67, 84

<223> n = A,T,C or G

<400> 167

```
aaattcttgt ggataaaaca cncaatggat nntgtaagga agcagcctcn cgcttacgct 60
tcccctngcc cagatctttc ccancatggg aaatatcctc cctctc 106
```

<210> 168

<211> 286

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 96

<223> n = A,T,C or G

<400> 168

```
gactgacgct acttggcctt tgagctatga caaagacaac tgtgatgtac aattccaccc 60
agagatactg cacctacagt gtggtggatc ggaagnaccc aggggaagacc tgctcgagttg 120
acagctggac tatgtaaatg tgcttcgtgt gggcccaaaa gtggagtaac atttgaacct 180
tgtatgattt aaatttacca atcataagct tgcaaggagg tgacctgtaa tcccagcact 240
cagaaggcag aggcagcata tcttgaaaaa ctcaaataaa taaaaa 286
```

<210> 169

<211> 419

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 31, 35, 47, 199, 269, 294, 340, 343, 368, 371, 391, 398, 403

<223> n = A,T,C or G

<400> 169

```
cgacctactg ctcaccgccg tcgncaccag ncgtnccgca cctccgncac cactaccagc 60
acccccaccc cagccacagc agccccactt cctcccacca ggctacctct ctgctctcca 120
cttcctgcca ccgcccgcac cgccaccatc tccaccatct ttctcgctga cctacgatac 180
agacaaggag aataccaang accaggatgc agaagcacc accgagccca gccaggactc 240
tccccaggag cagtccaact aagctgcang ccacctggaa ggccaccggg tggngacggg 300
```

- REPLACEMENT COPY -

catagatggc ggggggttatt tttttcacca tggatcatggn atnattagga agaaagggat 360
actgatangg ngtaagaagg caggcggaat ncctactnca ggntagaaag ggcacaagg 419

<210> 170
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 338, 456, 494
<223> n = A,T,C or G

<400> 170
acaccattca agcttgcaga ggatctgaca agatgaagcc cagacatgca cctgaaggca 60
cgaggaggctg ctgtggcaag aggaaaaact gctagatcta cggccagcgc ggagcccacc 120
gggctcaaga ggggtggctaa aggacagtca cagaggcttc ttagcctgct cttcgccagt 180
gcacagatta tgtgaagggtg gcaaagccac cacaagctag accactgcta agaataagag 240
tgacttttag aggatgttaa ttgaagggtc acagcaaata gcctgctttt ctattttctt 300
atctcagagt tctggtgcca cctagtgggtc agaagtanaa cttggaagcc caaggtttac 360
tcaaagggcc aaaggcatca tcaacgttgt gagaattatc ttctttcttg cctaccacag 420
gacacctctg ggttcttctc tgtggttacc aggaancaca gtacttacta aatttatgct 480
aaccatgaca aaanattgtc actccaaatt tgctaggaat tattcttttag gttgctgtct 540
gcaatttttt tctctgtact gaatgaa 567

<210> 171
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 23, 79, 171, 198
<223> n = A,T,C or G

<400> 171
gtggcaggaa gaggantagt gcnggagagg agatggagag aaaactgggc ctgtcctgtg 60
atgcacttct gccagcaang ccacgcctcc cagtcctga agtgtcactc cctgaagatg 120
aagcattcaa atatgagtcg atgagagcca ttcttgttca cgtcgccata nttgtggagg 180
ttggaccag cactcaanac tggtataaag aatttttgct ttgggtttta aaaaaaaaaa 239

<210> 172
<211> 279
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 93, 189, 193, 206, 211
<223> n = A,T,C or G

<400> 172
tgggtccaaac aatgcgggtta cggagcgcgg ggtggcgagg ccagaggtca gatccagaca 60
ccttatgtac tcgagatgct acctgaagag tcnatgatca gcctcggatc gatcaactct 120
ctccagagca cggatgatctg agggaaaaat acaaaacacc acacttaatt cattcttgac 180
tccacgtang ctnaaaacta tggatnagtt nagcaagttt ctgtgaagaa tggttagatg 240
atgaaaatac tttcaaagct gataaaactg agtttaatc 279

<210> 173
<211> 631
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 113, 193, 311, 334, 339, 381, 509, 528, 560, 582, 595, 599

<223> n = A,T,C or G

<400> 173

```

tggacctgag cagactggaa gccangatgc ggctctggat ggcacaccg tagctgtgga 60
ccgggcaacc tgaatgtgga caagcaaaac ggcgtatgaa aaaactgatg tantggggca 120
agctgtaaac agccaccctt ggcattggctc tgctgattct attgctatta gcccttttcc 180
tttcccttga gancgggaag ccattctggg tactgtgaaa ctatgaagcc ctacctggga 240
atacaccttc ctaggatggg ccaggagaag ccacaatatg catgaacatg tatgtttccc 300
ggggccctaa ncatgaaggc catgtcctgt tcangcaana atcgccaccg tagcgtagcc 360
atccttcctg tccacactga naacccggcg ttgaactgcc attgtggcat catgttgtca 420
catcatattg tcatcttttc accatttttg ccaaacagta aaaaaaatg tcagtcattc 480
tgggtctggc tctgccatcc acttgccana aacatcaatt cccctttnaa tgctgctgtc 540
ccccctgcca cctttcctgn tcatcagtta aaattctgtt ancaataacc cctgntttnc 600
cttcctaaaa aatgtttatt ccaatgaatt t

```

<210> 174

<211> 723

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 36, 47, 48, 50, 63, 68, 76, 88, 98, 102, 112, 127, 130, 137, 146, 150, 157, 161, 164, 172, 179, 224, 227, 272, 284, 417, 421, 469, 482, 535, 540, 547, 562, 589, 593, 594, 598, 605, 608, 611, 618, 622, 624, 630, 646, 652, 656, 667

<223> n = A,T,C or G

<221> misc_feature

<222> 672, 686, 692, 696, 700

<223> n = A,T,C or G

<400> 174

```

cgggccttaa tccaacntgt gtatcctatg aggtcngtgg ctcaatnncn gtgtgtcccc 60
aanggaacnt cctgtacttt tgccagtnca tttctatnag ancggaacacc tnttggtctg 120
tgtgtcnacn gcgtcnggtt tgatantgan ccttcancat nctnctcatg cncctatana 180
ttcaccattt ggactctgtc actaaatcac ataagataca gtanccncat ttgctattca 240
atcctaagcc attttgcaca cctgctgggt tnatattttt aatnttattc aattttttgtt 300
tttgtttttt aaaacaaaat ttctctgtga agctcttctt gtctgatag taggtataga 360
aaccacataa gccagctgac atagttttgt gcaataagca tatagttttg tgcagcnttc 420
naccacatct ttaattttga aaattgggca aatatatagg ttatattcna atttctaagg 480
anggcataat tcataacatc aatgctatcc aaggcttcaa aatcattgga atgcntggtn 540
aactaantct tttggttggt cnaaaaatgt tgaataaatt ggaattttng ccnntgtnc 600
tgganatnat nacatatntt cncncccttn agaatgtcac aaaaanactc anaacncccc 660
aactccngta angggtattg ttgaanccca tncctnctn aaattgacct ccttgaagaa 720
aaa

```

<210> 175

<211> 653

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 452, 462, 463, 506, 508, 578, 585, 591, 595, 607

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 175

```
agccagcaat aataattaca atcactgatg ggagcaagtt gactactact agtgggtgtc 60
cagggatgaa gcttcattta cctctgaatt cgccgttgcc tggaagtga ttgaccaagg 120
aaccttttctg ttgggatcag agactatttg ctttagtgct gcggttgccct ggcaccatgt 180
cgggtggaatc agaacagttg acaggtgtgc ctttggatga ttctgctatc acaccaatgt 240
gtgaagtgac aggaggccgg tcatactctg tatgttctcc aagaaatgct taatcagtgt 300
ctggaatcct tgggtgcagaa agtacaaagt ggggtggtta taaactttga aaaggcagga 360
ccagatcctc cccctgctga agcagaaggg cagccagata tatcaagacc ttttggatct 420
cagccttggc atagctgtca caagctcata tntgtcagac cnnatcctaa aactgggggt 480
cctataggcc attggccctg ttccanantc tttttggcca gatcagaatt ctccaacact 540
accacctccg tacatctcac ctgtagtga attttccngt tccanactgt naccnatggg 600
tattgancaa ttcgcctttt gaacaatata atttgaacct tccccctga ctc 653
```

<210> 176

<211> 228

<212> DNA

<213> Mus musculus

<400> 176

```
ggaatcaact gaggtgccct acggaagaac aggctgaaaa caaaaccgga ctactactga 60
tgcagcagct acttggctgc acagcgagaa ataaacctac agaattgtca aggaaatatt 120
gctaaaaatat ttttgtaata tttgatattg aatcattaca tttagtcaaa aaattcagat 180
ttctagaaaa tataaagttt ttttttgtcg attcctcaaa aaaaaaaaa 228
```

<210> 177

<211> 520

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 206, 265, 276, 303, 328, 331, 332, 348, 350, 353, 391, 400, 416, 421, 440, 454, 456, 465, 472, 479, 488, 498, 501

<223> n = A,T,C or G

<400> 177

```
cagcctgggg ttcattctcag ggataccatg tggcacagct gacattttta aacgcaaagt 60
atccttttgta ctttcataag ttcattcagtc ttttaaagag gatgctgaaa tctttttttc 120
tgatcttcag attagacagt catgttgcta tgggtggtgc taagattcta acagcagtcg 180
aatttgaaaa caaacactgt gctcanggtg tttttcagca cacaccaa atcccaactg 240
tcttaattggc ggctgaatcc caaanaagca attgcnaatg cacattctcc ttggcattct 300
tanctggttt ttaagcggat tatttacnac nnaatttcac cagaaaaantn tcngttggcc 360
ttgttgaatg cagctttttt ttgaaggccg ntggaccctn ctcttttcct tgttgnaacc 420
nggataaggg gccgccgtgn ctggteccaa atcnencctg ttacnctggc gnttccaana 480
atttcccnct ggtaaggngt naagcgccct gtcccttccc 520
```

<210> 178

<211> 403

<212> DNA

<213> Mus musculus

<400> 178

```
gatggcctgc agtggaggga acattcggaa agcaccgact tatccttaac aagcaacaat 60
aaaaagccac taccctgtca tggaccgggg agacggctca atgggtaact cgtgcacgat 120
tgaggatctg aactcaagtc ctcagaagcc acgaaaagcc ggattcaaaa gcattcacat 180
ctgtaattcc agaggctgtt tggggagaca ggaggcacag acaggacagt ccctggaagc 240
cagtgggtca gcttgccctg tgtacacagg ccaaacaaga gacggctgtc ttaaaacagg 300
agcagccctg atgttgccct ctgaccttca cacccttgt gcttgcatta aaaatatgta 360
ttttatttag aaataaaagt atgcgtactt gagaaaaaaa aaa 403
```

- REPLACEMENT COPY -

<210> 179
 <211> 497
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 36, 56, 62, 84, 89, 95, 98, 99, 104, 105, 107, 127, 130,
 138, 157, 159, 161, 162, 169, 178, 197, 200, 213, 217, 219,
 222, 232, 238, 245, 249, 259, 261, 265, 269, 272, 279, 280,
 293, 318, 372, 387, 397, 399, 401, 443, 453
 <223> n = A,T,C or G

<400> 179
 gagttcctac attctcanga tcgaagacta catctncccg aaaacctgaa tggctnttgt 60
 tnccactgac cagtcttccc tctnaatgnc gtggnacnng tccnntntaa gataccacat 120
 ccttctnatn agttcatnat gagtgggtgc ctgttgntna nnaagaatnc ggaactgnac 180
 cccaacacca aataganaaa atctcagact gangatnant tnccagatag tnatgagnga 240
 tttanggan ctcacaaaanc naacnacnt gntgactcnn aaaaccttcc canaagggcg 300
 tcatcggttg gcttccantt tcctttctcc cattccccca gtgctactaa tggactgtca 360
 gtacccacgg tnagtctgta tgagtcngac gccccancna nttctaattg ggctcttcca 420
 aaactacaag cctgggtaca tcngtgacag ccncaaagg aaatttggtt ggcttggtta 480
 actatccccga tgatgaa 497

<210> 180
 <211> 106
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 48, 82
 <223> n = A,T,C or G

<400> 180
 ccacccctg gaagctctgt gtcttntctag ggacagtggc acagtctntt ggataatgtt 60
 gccttgga aa cttcccgtg tnttaagaat ggaatgtgtc agtgaa 106

<210> 181
 <211> 141
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 82
 <223> n = A,T,C or G

<400> 181
 tgttttgagc gagaacatcg cgtcttcagg gaactcggga ctggcagatc ttcagtgtga 60
 agtgcacacg ccatcgagcg angtttggag gcatacggag gagggagctg cttcatacag 120
 tctacttcaa gtaaaaaaaaa a 141

<210> 182
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 182
 ggaagatgaa aatgaagctg aaaagaaaaa cgcattctcag gagctcagca tggagcagaa 60
 aactccaaag aagtaaagga ttgtccagtg tgttctgaag cgtgtacaac ttaggctcaa 120

- REPLACEMENT COPY -

gcagataacc gtttctgatt tataaaatgt taattgtaaa atctaattta caaaactggt 180
ctcaataaaag tccttgaaat aggaaaaaaa aaa 213

<210> 183
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 25, 27, 37, 39, 50, 54, 55, 78, 84, 89, 91, 94, 95, 98,
103, 108, 114, 122, 139, 228, 242, 245, 273, 294, 296, 357,
372, 393, 394, 402
<223> n = A,T,C or G

<400> 183
aaagttcaga tcaatacnac acgtnantca ttatctntnt ccgggtcttn gacnnagcca 60
tccggctctc ggatcatntt gtancacna ncnntcncc acnctgangg cggntcgcta 120
cngcccccta acgggggang gacgtaatta catccctggg ggctttgggg gggggctgtc 180
cctctagaac cccatcctca ctgactccgt cctggagttg gatgaaanat aatggccta 240
cnttntgcca ggggagggtc gggctggatt tancaaaatt taccttctcc aaanancggt 300
gctgcagtgg cacagctgcc cacggaggtg ggggggtccc cgtccctgga ggtgatnaaa 360
aatgtgggga tntggcactg agggacatgg ccnntgggca cngtgggtgg gttgggggtg 420
gtcttggggg atcttggaag gttcccgggg atctagggat ctaggga 467

<210> 184
<211> 241
<212> DNA
<213> Mus musculus

<400> 184
ttgcagggtca aagacagcga gaaggttcag aggaaagcga tcccgtgcca ccttccccgt 60
gcccggtctg tccccgcacg ctgccggctc ggggatgcgg ggggagcccc ttcattctgcc 120
tccctttccc accatccacc cctccatttt cttttcagaa aatggctgaa aggcgaaagg 180
ctggctctac caccaccacc acccacacac acacacatca accagccatg acatatcatg 240
t 241

<210> 185
<211> 167
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 36, 130
<223> n = A,T,C or G

<400> 185
gagtgtgcta tggaagccan aagagggcgc tagatncctg gaacggagtt gcaggcagtt 60
gtgagccacc atatggtgtt aagaactgaa acctgggtct tctacaaaaa acaagtgttt 120
tgaaatgctn agccatctcc ccagtgccta cattaaaaac aaaaaca 167

<210> 186
<211> 200
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 21, 42, 46, 47, 51, 66, 88, 89, 96, 102, 132, 158, 164
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 186
taggcgattg tacaatcngt nacacctgta gaggtggagc tnaccnntcg nggttaaaga 60
gcacanaacc cttcctggaa ttcctctnnc ttacantaaa anctgggcct gtgattctac 120
cacgtgtctc cnttcccaaa tgcaaagacc cctgcatnca gganattctt ctgaataaat 180
gctttttgct tttgcatact 200

<210> 187
<211> 352
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 29, 42, 60, 104, 205, 225, 240, 300, 303, 323
<223> n = A,T,C or G

<400> 187
aggtgcaggc cgactggact catgangana aacccatctc cngaccctct actgacaccn 60
aggggcatgg tgacagtgca gagccaggga accagagtcc agtnactcct gccaaaccatg 120
gaccctcgac ctccctgtgct gtccctgtat ccagaactgg gccacagagg tttgtagagc 180
ctgggacagg gacacaccag agctnaggcc gcattgcttt tgtcnaagtc tcctcctctn 240
actggtttca ggaaatcaag aagtttgaat cacatactca ttttacttga aattatgtcn 300
ctngacaact tatatatttg gantcttgag attgtttttc tcttttctta tt 352

<210> 188
<211> 962
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 610, 648, 673, 686, 715, 716, 717, 720, 738, 760, 777, 779,
792, 795, 806, 828, 836, 837, 844, 847, 848, 853, 854, 857,
859, 863, 868, 875, 876, 880, 889, 896, 897, 908, 922, 934,
935
<223> n = A,T,C or G

<400> 188
ctgagatctc tgagaagtac ggccctccccg aggagaatat ttgcaaagtc tacaagaaat 60
gcaagcagagg catcctgggt aacatggaca acaacatcat ccaacactac agcaaccacg 120
tggccttctc gctggacatg ggtgagctgg acggcaagat ccagatcatc ctgaaggagc 180
tatgagggcc cggcctcaag cgtcccacac ccggggccccg gctcaagcca cgtacaacct 240
cttctgtgtc agctgttact tgaaatgcct ttctttggga aagaggtctc gcaagcaacc 300
aactcggtga tgtccaagcc agggagagac caagaagggt ccaggatcta aatgtccac 360
ccaggctcga actcactcca gagcttctctg aaagcaccca gccaccgga gagtctgagc 420
aacacagacc caactgcctg ctttctcttc taagtcccgc tgcagaggcc cttacagggg 480
acgggggtca caccaccttc tctgcagggc tacaccgct gtctcgatcg gttctgacgt 540
tactgggttc ctttctacca acttttagacc agagagttct cacacttttg gccaatattt 600
gaaaactcgn gacttttaca gcagatgcct ttgtgaaggc ccttgganaa ggaaaacttt 660
tcttaatttg acntttcttc gggcancaaa gaatgtaaag gtcacccatt caatnnnaan 720
cctggaccag gggaaccnaa aattaccctt tttggccaan cttaacctgg gttgggnanc 780
cccaattttc cnttnaattt taccanggtt ttttccaatt ttattggngg gaattnnntt 840
attnatnnat tanntantna tnggggtnaa aggtntttan ttaaatttna atgggnnccc 900
cctttttnat tgggcccana cnattttttt gggnnaaatg ggggtccccca ttgggttaaa 960
ca 962

<210> 189
<211> 163
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 19, 25, 26, 28, 69, 85, 87, 113, 115, 121, 126, 142
<223> n = A,T,C or G

<400> 189
tgtactcttt acctcctgng cgacnngnat tccgcgaatc gacataggct tcattacggt 60
gggactaanc gaccttgaat ggatncnagt gactactacc agatggaacc gancntgcta 120
ntcttngttc acgaagactt gnaatgtgaa gaccttttga aaa 163

<210> 190
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 157, 239, 278, 293, 333, 362
<223> n = A,T,C or G

<400> 190
ccagtgtgga gactccctct gctgaccaga gtgaatccca ggctccgact ggtctgcctt 60
tctctgcagg agccggagct cccaaccctc cacaagcatc tgctgcttcg tcttgatgac 120
actgcctaag gtggccccaag agtttccagg accccanaca ctggagtgag gaatcctgcc 180
ccactgtgat ttctagttat tctgggtgtca gcatgccttg gagacactga aaacggcana 240
tcacagcatg ataatgggtgt ttccctccaat tgggttanaa cacctacact canaggtgac 300
cctccctgag tgcttgggtt ctgccttgtg ganaaagcag gacggagacc ttgcccctta 360
tnattgattg tattgtgata ggccctttgg gctacaataa acttctctga ggactttcaa 420
aaaaaaa 427

<210> 191
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 372, 374
<223> n = A,T,C or G

<400> 191
cgggcttccc aaggaaagcc tctaagaaga gcggatgccc tgacctcgct gccaggaaaag 60
aaatggctat gaaaatgggc tttgaggaat caagaactca agcatgggtt gagaagcaat 120
ggaccctaaa ttctgagcat agagaagagc ccatgagttt atcaagacat ggcacaaaatg 180
aggggacacc cccagccact cagtggcagt acctcaacag agtcaactcc ccagtctgtt 240
gtctcccttc ctctaattccc tgctgggatg accacgcata cctacctgcc cctcttagct 300
cgcaggcatt tgttccttgg gatccctctt ggggtctttg ggagccaagt gccaagccct 360
gcgatcatgc anancccata aagcttgtca gcaaaga 397

<210> 192
<211> 141
<212> DNA
<213> Mus musculus

<400> 192
aggtgcttgg ccctgcgtga gaaagcaaga gatccacagc ggctgttact gttacggagt 60
attggactca catggcttct ctgacccaca accttccctg gaaataaaga gccccagctt 120
ggagtttcat taaaaaaaaa a 141

<210> 193
<211> 159

```

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 83, 84, 86, 87, 89, 102, 119, 129, 130, 136, 143

<223> n = A,T,C or G

<400> 193

```
ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttagtataac ttcgtataat 60
gtatgctata ctgaagggtg tcnngnncnt ttgacctgca gnetcaagct agcttatcng 120
agaccctgtnn acctcngacc tcnagaagga gcgagggca 159
```

<210> 194

<211> 149

<212> DNA

<213> Mus musculus

<400> 194

```
aagcatagct actcagagag tcgtccctcc aaaggaactc ttccgcgtga agcccatctt 60
ggtacatctc tggacacgac tgccccagcc actggagtag tctagccatt gtccccatct 120
gtttattaaa acgtttgaaa agaaaaaaaa 149
```

<210> 195

<211> 114

<212> DNA

<213> Mus musculus

<400> 195

```
ggacaaaaga atccgagtgt ctcaaccctt gacaagagga ccaagtgcct ttattccaga 60
gaagggaagta tggccatttg tttttaatac attatctagt caaaaactaa aaaa 114
```

<210> 196

<211> 121

<212> DNA

<213> Mus musculus

<400> 196

```
ttgatgcttc caaagcattg aggaagtcca taaagaaatc cgtgcacact ctgaggacgc 60
catccgaaac gctgcacaga ggccactggg ggagctatct taaataaatc agtttccatt 120
g 121
```

<210> 197

<211> 171

<212> DNA

<213> Mus musculus

<400> 197

```
aatatagtcc ctacagcgtc gagagacgga ggtctacgcc tgtatgaagg aagagactgg 60
aagccctgtc ttcagccaaa gccagccac caaggagaag ctgaatagat ttgaggatga 120
caacgaattt aaccttgtct atgaaaatct ctagaaattc aaaaaaaaaa a 171
```

<210> 198

<211> 154

<212> DNA

<213> Mus musculus

<400> 198

```
actttaggtc tccgaagaag atatgggcac agtgacaaga ttctacctgg actgtggtat 60
gataaccact gagaaacact gctccattgc cttgccact gtcaaagctt ggcctacact 120
gtggataaat agaggctacc cagagaaaaa aaaa 154
```

- REPLACEMENT COPY -

<210> 199
 <211> 119
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 38
 <223> n = A,T,C or G

<400> 199
 tgttcattgc tgactcggcc cttganataa atctggnac agcatccagc cgatcaccta 60
 ctggctggcg aagggcacca agaattggatt gtttgggggg ggcgggggag gaatggtgg 119

<210> 200
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 200
 cctgcgaaac gactgggtga ctggccggag gatgtggctg ctcttggttc tggtaccct 60
 tgtgtcctct gggaaccca catccctgtc agccagccca tgccccgcca gctcatggag 120
 ctcaaagaaa taaatgaaa aacaaaagac tcag 154

<210> 201
 <211> 460
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 36, 46
 <223> n = A,T,C or G

<400> 201
 cttgtgcttc tggaacgcct ccanccttttc gtcccntgct tcgatnagat ccccatcatc 60
 ctctcaggtc ccagtctctg agaataaccc ggaagaactc cactatgctg ctctcaactt 120
 ctcccgctg agactgcagg agaccagga tccccaagac acctattctg attacacaga 180
 ggtcagagtc cactgagggg gtcctggggc ttaggactga gacctaaatg gtaaagtagt 240
 taagggagcc tccaaaagaa agcagatgct ctccttaaaa ataatcctgg gggtagggg 300
 tggtaaatat gtgtgccacc aagcttgatg aactcctaga ttgatcccgga ggaccgcat 360
 cgtggaaggg acctcccaca aactgacctt tgactccca catgtgcact gtggctcatg 420
 cctatgcatg cacatacatg taagttaata aatagatgct 460

<210> 202
 <211> 151
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 135
 <223> n = A,T,C or G

<400> 202
 cactggcctc tcatccactc actgactctg ggggtgtggtt gaaccatttg agggcctgac 60
 tctccctttt gttatctcaa gttggacaaa agctgctggt gtgaacttag tctcaggtgt 120
 caatatcctg tctntgccca ccagagagtt g 151

<210> 203
 <211> 247

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<400> 203

```

aggggggaaag agatggcgat atgctagcga ctggcgacag cggagcgagg gcaccgtgga 60
accgccgacg ctcaggatcc ccggacaatc ctgtgccttt ggcggtgtgt ggagcgctct 120
cgacgttaaa gccagtaaa tagacgaagg acttgtttca atttcaactt cacaaggatc 180
cctttctaata cactcctttc ttccctgatt ttttttaatt aaaaaatata gatcaaagta 240
aaaaaaa                                           247

```

<210> 204

<211> 163

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 22, 38, 86, 99

<223> n = A,T,C or G

<400> 204

```

ttaatgagca cctgtcccnt tntgccaatg agcctgantic tgaggaagag ctgcagcaca 60
ccaccagaag ttttttgggt catttntctc tatggagtnc tgacaaatga agctcaatta 120
cacaacgtaa ggtgaaccaa tacatgcact gtttagcgaag act                      163

```

<210> 205

<211> 582

<212> DNA

<213> Mus musculus

<400> 205

```

gattacgacc tttcaagatg agggacttta tcaaccaaca agctgacgct tatgtggaga 60
agggcatcct cgacaaggaa gaagccaacg ccatcaaacg catctacagc agcctgtgaa 120
aatggcgggc agcttgagcc ttcctgttgt tccagcaaaa acaatatagc ttacaaacta 180
attcggcggt taaaggggta ccagcccaga agtattagga tgtgctgaat ttatagtagt 240
taatccctta gaaatgagta aaatagagct ctcttgccat aaatacctta tgaaaagcaa 300
agctgtagag aagccgaggt ttttctatat agaatcctta tttcctcttg aatttacatt 360
ttgtaatcag agatgtgctg ctctggaaaa gactctaatt gggtgaacat aagtctgaac 420
ctactcccca ctgtcctcag cccctgaag ctctgagagg ccctgtctcg gcatgctaga 480
cacctgagca cctcactgga tgtttgtcat aggatgtcgt ttccactagt cgatctctgt 540
tgggcacgga aataaaaccca cgtctcttca tatccttgaa aa                      582

```

<210> 206

<211> 173

<212> DNA

<213> Mus musculus

<400> 206

```

ggaacttctg ttgaagaact tcgtggaagc tctccttggt aataacagaa ggctgaaaca 60
acccaagat ccattcgaag aagatggaga agcatgttat aatccatcta gatggcggaa 120
tattacatag cagtaccaat agataaatat agctttgtgc cacaaaaaaa aaa          173

```

<210> 207

<211> 105

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 43, 66, 71

<223> n = A,T,C or G



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<400> 207
gctgggtcca ggctccaaga atgaattggn aagaatgggc ctncctcctc ctttataaaag 60
catatncttg nattaaacat gtgaactttg agcagaaaaa aaaaa 105

<210> 208
<211> 222
<212> DNA
<213> Mus musculus

<400> 208
taaggaatgc aatgacaaat gaggaacctc tacctctgtg agctgctaac tacatctaga 60
ctctctctgc tgtctgaatc acagcagggc accttgagaa gatgctcctc ctagcttggt 120
aggatgctga ggggaaaagag tgaggcaaag cctgggtaat gccatatccc tcaactcact 180
tcatgaaaca tcctaataaa agtatttcta ctaaaaaaaaa aa 222

<210> 209
<211> 237
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 161, 183, 200
<223> n = A,T,C or G

<400> 209
taccctgagc tggcccaatg gagccttaca gaactaatca ggacttggtg agacctctgc 60
actgaacttc ctataagtaa ctccaccac actggtttct actctcagaa ctgccccagt 120
gcttgctggg tagacttttc atctaagaca gtggattttt naaaaagacc ttttttctat 180
tgnttgagaa aatcattgn ttcttggtgaa actgcgtgtc ttccctaaaa ataatat 237

<210> 210
<211> 220
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

<400> 210
tccctgactg ccagcgatag acccagcacc cagnaatcc cctgtctacc tcccgtgggtg 60
attccataaa tccaccacac cccagagggg gcagcatccc tgggagatgg catcggtgca 120
tgggtccacag tgtatgggtt gggccctttg atgtatcaaa gcctttgatt taattctggg 180
tggggctgaa taaacaaaaa cctggggggc aaaaaaaaaa 220

<210> 211
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 24, 45, 48, 52, 63, 105, 107, 108, 118, 123, 128
<223> n = A,T,C or G

<400> 211
atgccccggt gccaaatggc ganngcgaag gagccgtaca agaangcnca anataggaga 60
ctnttccttc agagactaag ggactggggg aatcacacag aacgnngnag aatgtatnta 120
cgnctctanaa aagagcctac gctctatcta gctctccgtg ataaacatca ccaaagtcta 180

- REPLACEMENT COPY -

ctgcatacct ccccaacctt tctctgttta aaaataatta taataataaa gcattttataa 240
tctttcaaaa aaaaaaa 257

<210> 212
<211> 101
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 44
<223> n = A,T,C or G

<400> 212
acacatgtga catcttaagc tgcccaaaag gattcacatg ctgngacaat gaatgctgcc 60
cagaaagaaa ggtctgggat tctgcaaata accccttcag g 101

<210> 213
<211> 154
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 40, 57, 115, 135
<223> n = A,T,C or G

<400> 213
gtaacctccc cagcctgaaa cctgttttgc caggtttcan aagagagcat cggggcngga 60
gcttgccgcc ctaccattct gccactccca ctgctgaggg ctgctgcttt gctgntccag 120
agtcaaacac gtggnccact gcaactttac tcca 154

<210> 214
<211> 181
<212> DNA
<213> Mus musculus

<400> 214
ggtgcaagtg ctagatgctc aagaggacac ataagcagac ccgaaacacg gcttgacttc 60
catgagcgac aggaccagcc ctacagcgac catggatgtg ccgcatcac tgcttcttca 120
cgaataaatt caccctcgaa ctgttaaata aataaagcct actgcagccc aaaaaaaaaa 180
a 181

<210> 215
<211> 160
<212> DNA
<213> Mus musculus

<400> 215
agagagtgaa ttagatgtat cttttttctg tacatgtttc catggatatgt ggcaaaaatc 60
acactcagga tgtgaccagg tactgcaggg ttgcagtgtg atgcaagcat ggcagttgtc 120
catcagccaa taaacttcaa attgacttga aaaaaaaaaa 160

<210> 216
<211> 163
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 53, 67, 80, 82, 84, 88, 107, 137, 143

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<223> n = A,T,C or G

<400> 216

```
ggtaagtctc gaaattcgat atcaagctga tccggaaccg ttaatataac ttngtataat 60
gtatgcnata cgaaggatn angnaccncg ggaacctgaa gagccanggg ggggtgcacct 120
ttctactgga ccagganatg atncccccg aaatcgggtc ccc 163
```

<210> 217

<211> 552

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 127, 131, 153, 180, 185, 187, 199, 229, 231, 249, 505, 534

<223> n = A,T,C or G

<400> 217

```
aagatcctgg agagctctca gactctgctt agngtactca aaagagaagc tgggaacctg 60
actaaagcca cagcttcaga ccagaagagt agtggaggca aggacagctg acgagtgcct 120
gtttcanccg nggcctatgg ctgcttagtc ctnaacatgt ctgtcctaaa gcatctttgn 180
tcttngnggc ctcagatgnc ttttatctct ggtgcccaaga ggggcaatnt ntgacctcca 240
cctgcctana caagaaaagc cctaggacag tccaatggaa gaggtgttcc cagctccgta 300
ctcacatgtg ctgtggggac cctgagcagc tccatgaggg gcctctctct gaagctcctg 360
aatccctttg ggctaccagg aatgtcctgg tcctgggtctg agtactgtgg gagccctca 420
ctttgtctcc ccagccacta gggccccagg ccagacatgt tgaagaaaga atcttgactt 480
cagaaccaa accttagggc ccatncccat ggcctctggg gtttcaataa aggntgggtt 540
gcaagaaaaa aa 552
```

<210> 218

<211> 211

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 26, 29, 36

<223> n = A,T,C or G

<400> 218

```
acctaccggg ggagtnaaag agatgnggna cctgangaaa gccatctatc tgccctgtttc 60
tttcccagac ttagccaccc acacaaatca tgggctttgt tctcatcaaa ggacatgaag 120
ttgctgcttg ctgaagatat tctagctgcc ctggagtttc ataatgggaa gctgtgactt 180
gggtgtcaat aaagagagtt tcaacacctg c 211
```

<210> 219

<211> 200

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 49, 56, 62, 176

<223> n = A,T,C or G

<400> 219

```
ggaggggaga agatcaattc tgaaagtgca accaagcata tgaaaacanc agtctnctgt 60
tnagctagta ttggaggaga aaaacaacca acctacgcta ctatgtatac ttgataaatt 120
tttcatggaa aggggtgaatc agtgaatcga cttcggattt gctgggttaa atatgntgac 180
tggtgaaacg acagtgaatg 200
```

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```

<210> 220
<211> 127
<212> DNA
<213> Mus musculus

<400> 220
ggaaaacctg gagagctgaa gaagaggatt attctaaccc agactgaaca tcacgtcctc 60
tgacagattg ggtgggcat tgatttctga caattaaaac attctgtttt caattcaaaa 120
aaaaaaa 127

<210> 221
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42, 68, 80, 96, 113, 119, 142, 164, 176, 179, 256, 281, 284,
304, 307, 320, 325, 340, 346, 348, 351, 361, 364, 367, 368,
369, 371, 392, 398, 400, 410, 426
<223> n = A,T,C or G

<400> 221
gctctccaga tcaggcctaa gtggatcact gacctggcta anagtaccaa gaaggcctgg 60
atcattgngg tgcctctctn cagaaaatgg tgacanaaat tgaaatcaac cancacatna 120
ggatcctctg tggcaagacc angataataa tgggggacac tgtnatctgg cactgnggnt 180
ccttcacgac aacagtggct ggtgggtcct agatttataa catcacttct gctgtcacag 240
tcaaaccggc catcangaga ctgaaggaaa ttaaagacca ntanaagtgc tactgtttga 300
gcanccntgg cctgcaatan atganttcac tcctatgaan gggtgnanta nagtgttggt 360
ngantannnt ncttcaaact ggagtgcgc gnaccttnan aagaccttan cccccagacc 420
agcttngcca gccctccaca agccccacc agaacc 456

<210> 222
<211> 284
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 256, 267
<223> n = A,T,C or G

<400> 222
acccttgact tttagggatt tgctgctaca actgtaataa tgaaatgact ggaattacca 60
ctttctatcc gactaaagaa aggaatctga aactctgccc tacagtgatc tgagcatgag 120
agcatttatt gaaaaaaatt tttcccatct gagacctcca atttacagaa gagccagaag 180
cctctatggg ctttcttccc tactgacatc aacaccagc ctattgaaaa aaaacttaaa 240
actttggttg aaggtnggaa ggtggngat aatggacaga ctta 284

<210> 223
<211> 244
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 31, 49, 50, 56, 58, 60, 62, 89, 97, 106, 119, 128, 135,
145, 149, 151, 156, 179, 186, 201, 221, 225
<223> n = A,T,C or G

<400> 223

```


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```
gagctatgac aaagacgact gcgatgnaca nttccaccca gagaactggn cctacngngn 60
gntggatcag aacgaaccca ggaaagacnt gttgagntga catgangctc tatagaaang 120
tccttgcntg tgggnccaaa agtgnagtnt natttnacct tgaccgatca atgcgaccng 180
tcatangctt gcatggaggt nacctgcact cctagcactc ntaangcata ggcagcatat 240
cttg                                             244
```

<210> 224

<211> 208

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 116, 120, 121, 136, 146, 147, 153, 155, 156, 157, 158, 160, 161, 181

<223> n = A,T,C or G

<400> 224

```
ctccccgagtc tgtctgcggc cctgatcgat cagcagtggt ctgagttcat ctgctcaaat 60
aagatgaacg atcagagaca gccaaactccc gagtctgtgc tgacgtcctc actgttnagtn 120
nttgctgcct aattcnaata aagatnntgt ttngnnnnan natcacattt aaaacaaaga 180
nctaccacccc tatcatcgat gagaaggg                                             208
```

<210> 225

<211> 257

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28

<223> n = A,T,C or G

<400> 225

```
gaactacgct gccatgaagc tgggtgaancc ctttacgatg aagaagacat ctgctctgga 60
gaaggggggtg caggctgcct cctggcccag gactagctgc tcttccattg ctctggggcc 120
tgggtggtctt gcgcagtgtcc atggagtctt tgggaatcac gttattttca tcttctcttt 180
ctcccctaac ccaacactcc tctggataaa ctcttggtctt tctcagtata aagcagacag 240
aaccagaaaa taaaaaa                                                         257
```

<210> 226

<211> 329

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 26

<223> n = A,T,C or G

<400> 226

```
acaaccagag gccctnnggg ggcgnggcac aaatgaaatt cacgggtaga ggaaaagaca 60
gaggacacac tcctaagggg agaggcaata ggagcagAAC ggaggagggg aaagagcaga 120
gcgtgaaaag tcaaggtttc ggggcctttt ttggtaggag gcctgtgata aggttcttga 180
ctgaacaacc tggccttcta gagaaaacct tccactgag acaactctcc tgcgggaggg 240
tttcagagca gcggcctgca gaaaggaaga gatgtcatcc ttgaatggat ctaatcagag 300
agggtgctgg cctcagaggg ggggggggcc                                             329
```

<210> 227

<211> 538

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 227

```

ggatcctgtg ttggcgaggg tttggccgc atggagctct tcctgttctt caccactatc 60
ctgcaaaaat tttccctaaa ggctctgggt gagccaaagg accttgatat caagcctgtt 120
actactgggc ttttcaactt gccgcgcct tacaagctgc gccttggtcc aagataggag 180
tttctccttt taatcattca aatcaaagta attgttctct ttttttctat aaacagtcta 240
ttttgctaag tgctacctag gccagaaaca tcactcacta acagcacgtg ggcatttgtt 300
tccatcttaa aacctgggtc ctgaaagctc ccaggacaca ggcagggtgt ctcagttcct 360
cagctgtcta taaactaggc cctaagcaca actgacacca gatccacaag gccctcatca 420
gacgccacct gcaagcagct gcgtgctctt ctgtggcttc agaaatagaa ttatattctg 480
gcactgtttc aatagagaaa ttaatgtacc agccacaca cattttccta ttctcacg 538

```

<210> 228

<211> 252

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 47, 48, 49, 50, 54, 61, 64, 75, 77, 79, 80, 83, 101, 122, 123, 128, 147, 153, 178, 189

<223> n = A,T,C or G

<400> 228

```

ctgcaccata aattcccagc atgccancgc tggagatatt ggggtgnnnn ggtncagca 60
ncanccagga agtgntncnn atnttctcta ctattacgca naagaggaac actatcgcc 120
cnntgacntc cccgacagat tctaagntac cgnggatgca gccacaacg cctgtatnct 180
caccatcanc cccgtgctcc cggaggatga tgccgattac ttctgttcca tcgccacac 240
ctttgaacct ta                                     252

```

<210> 229

<211> 207

<212> DNA

<213> Mus musculus

<400> 229

```

cagcaccaga attaaagtgg gcctctttcc tgggtgacat aattgcactt tgggtctggag 60
gcccagagctg cttccagcag cagtaactcg gtctgttaag gcagcgcctg cacagcctgc 120
acactctgca ctgccttctt tcctgtgct ccaggcctca atgttccctt tctgcaaaat 180
ggaatctatc tataaagata tctgaaa                                     207

```

<210> 230

<211> 419

<212> DNA

<213> Mus musculus

<400> 230

```

agtcttctat gagtgtctggc tcagtttctt cccacacgag gaccaggctg gcattgggga 60
cgtcagagggc tgagatgctg cgggaagtgt acctggtgct ctgggtcatc cgcaaacaac 120
taagagagct ggcccgcagg caggagaggc gaagacggcg ccgtatgtgg tctcatccct 180
cccatacttc ccgtcactct gaaccagtgc agggcctcaa acatgatgcc cgaagtcctc 240
tttaggcagg ggagccccag atcctttgaa agccccacc tcactcttac ggaagattga 300
caggaagggt tcaatggcca tcaggccaga gctactgggt aggagacatt cgaccatact 360
gccacatctc actggagccc caagaccagg cctggggctg aacacacttc ctttctctg 419

```

<210> 231

<211> 231

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 29, 39, 53, 58, 75, 77, 85, 87, 93, 97, 107, 137, 146, 155, 157, 162, 168, 171, 172, 177, 187, 204

<223> n = A,T,C or G

<400> 231

```
ctggactgtg attctgcagg tcttttctna taagcaaanc tttgcttttt tanccaanat 60
accatggaca ggacnanatg ggctnancgt ttnccanagg tcctgantcc aattcccagc 120
atcccacatg ggggctnaca accatntgta atgggnangcg angcactntt nnggggngtg 180
cttgaanaca gctacagagt actnatataa ataaaagtaa ataaagaaaa a 231
```

<210> 232

<211> 365

<212> DNA

<213> Mus musculus

<400> 232

```
ccaccctcct ccctgcagag aggccccatg tgctttatgg gaacacagtc ctagaagacc 60
ctgctaagca actccgtggg ggaagtgcct gtcacccagg aggagtctta atggactgtt 120
ctcttcaacc attgcaaagg gtagaagacc ctgctaagca actccatggg ggaagtgcct 180
tcacccagga ggagttctaa tggactgttc tcttcaacca ttgcaaaggg tcagatgagt 240
atgggcttgg gccctttaat tcacaaaccc agtagaaggc aaagggcaat tctgccagag 300
aaccacaaaa catgactgag gaagaggctc agtcagtaaa tgtttgcctt gtgagcttga 360
aaaaa 365
```

<210> 233

<211> 432

<212> DNA

<213> Mus musculus

<400> 233

```
ggcatcaaca gagagagaat tcattttacct cacaagcaac tgcaggatga acctatctga 60
tttgctcttt tcttctatgt gacggcaaaa cagagaggag ataacattca acaaagacag 120
ccaggaagca cagaaggaca aaagacaagt gcctgggtgg agcagagtca tgagctactt 180
tcttacttct tagtttctgc cactgactgc caaaatcaca atgcaagctg catctacaag 240
agtctctctg tccccactgt ggctttgcag tgcaagatca agccaggtag agatccacct 300
gagacctgga gaaggggcag ccacactgta ggtgggcagg ataggccctc agctaaccac 360
acccatatta tatctacca gaagttctta ccactgactc atagacccaa ggggtcaact 420
tcagaatagg at 432
```

<210> 234

<211> 180

<212> DNA

<213> Mus musculus

<400> 234

```
gattgtccta ctgagagttg ctactgccga gcccagttc cctgggagct gcaagccaga 60
agaaagttcc aaccagactt catcaatctc tggggtttct aaaaccatct tgacccttag 120
cagtggctag acacagcatt ttccaagtaa agaaaagttg aaaaacctga aaaaaaaaaa 180
```

<210> 235

<211> 109

<212> DNA

<213> Mus musculus

<400> 235

```
gcctgttggg tgggtcatct attttaatat tggagcaacg taaatggatt gttaaaaaaga 60
tgaacathtt tccctcctca ttaaaaatct tgaaatttaa aaaaaaaaaa 109
```

- REPLACEMENT COPY -

```

<210> 236
<211> 180
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 32, 41, 47, 59, 70, 77, 85, 111, 113, 118
<223> n = A,T,C or G

<400> 236
ccaaggatttt ggcctcnatt gtcctggagt tncaatgctg ntgtganaat aaaagcttnt 60
caatgctggn acaatgntga aaaanatggc ctcttggtg gatcacagct ntnatatnca 120
tgctgatgtc tgccatgacc tctgtcctgg aaataaaaag attttagtaa caaaqaaaaa 180

<210> 237
<211> 376
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 148, 149, 151, 152, 155, 159, 161, 164, 169, 171, 173, 174,
183, 186, 188, 190, 195, 201, 204, 205, 206, 213, 216, 220,
221, 227, 228, 239, 241, 243, 245, 248, 253, 271, 283, 323,
344
<223> n = A,T,C or G

<400> 237
acaactgagg ttgggatggc taccagctgg ggcaagcatc ttgcaggatg agaagcagct 60
ggaagaactg gcaaagcagg ccatagaccg ggccctggcc gagggcggtg tgctgaggtc 120
cgcacagcat cccagctcct ccgacgtngg nncanttang ncantctgnc ncnncccttc 180
acnaanangn agggntcttt nggnnnaaga ctntgntttt nttatannct taacttacng 240
ngngntgntg tcngccaaaa cccatgcttg ntggagccac acntgtctaa caccatcaaa 300
aaaggacgac tatactgccc gtntctttga tatctacaaa caangtcttg aaagaaggca 360
tgccccaaac cgtgtt 376

<210> 238
<211> 452
<212> DNA
<213> Mus musculus

<400> 238
gtgaggggaac aactgtcaga agaaacagag caccatacct ggtcgctcct catgttcagt 60
ggtgacagag cgcagatgct caagatgcag gaagagaacg acaagttctc ggaggccctc 120
agggagggca ccgagttcca ctccaccttg taccacatga tgaaggactt cgctcccc 180
gtggcaatgg agagggtcag gcattcgaac tgccagttca tcgactcagt gtgctacatg 240
ctgctgtcta tccgcgtcct cagctattcc tagctattcc tagcccttac agcgtgtgta 300
agcatggtgg acccttatac cgagaggaat caggtatctt tccagtcagc cgctaaagtg 360
atttaagagc accaggcggt ccagccacac tgcacaaaaga tttgaatggt ctttatttgg 420
atacatctca ataaagtctg atgcctctca ct 452

<210> 239
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 32, 47, 60, 84, 96, 114

```

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 239

```
cgatcattga gtttttcaan agccttggct gngttaacac tccattnaac caggaaccan 60
agccccaca tgatgatgat gcantgttgc tgaagngcct ggagaccttt gacnatctgt 120
aaagcaggag ggccggagaa ggaggagatt aaatggggga ggggcgggtt caagtttgaa 180
taccagtagc tagagttata ctgccttgtc tttcaagact cattgagaaa ggctgtcttc 240
aaaagccttc ttgatgttct tagtttctgt tactataaag ttttaagagc aatgaaaaaa 300
aaa                                                    303
```

<210> 240

<211> 303

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 57, 235, 239, 240, 250, 253, 263, 271, 284

<223> n = A,T,C or G

<400> 240

```
tactcgttca gcgaggcca ctggccttag gcgngtgcct ggccccagca ccatggntct 60
gtctcctgtt accaccctcg gtcctgaggt ctgagcatct ctcaagggtc ccaggagggtc 120
cttggcccat gttcatctct tgcccaagcc ctcagcaagc actgccccac aaccattgtc 180
cactgccatc ctaccagagc ctggctggat ttgccctgct tccacctggt aaganggttn 240
aaaacccttn gcntgtgcaa ggnaaaaggc ntaaacctcc atgngcctgg ccttttgggt 300
tgt                                                    303
```

<210> 241

<211> 393

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 39, 42, 56, 100, 110, 123, 186, 194, 195, 205, 212, 216, 217, 222, 224, 225, 226, 232, 277, 307

<223> n = A,T,C or G

<400> 241

```
ggagcggggt ggcgtggacg caggagtgc cctccatng cncagaacac caagtncatg 60
cagactcaaa gcccccatc agagtcttcg agaataggcn aacgtgaatn ctatagcttc 120
ttntaat tttttctttt agagactatt ttgattcttt gacagtttca tgcgtgtata 180
caatgnactg tgannataac acccnattct tncacnnc tnanncacag gntcctgtgg 240
tgtagaccga tgaaatgctc ttagggcctt gatgganctt ccttaatttt tttaaaccgc 300
atgccgntat gccacttatg tataaaatta gtgatgaggc cactagtccg cctactggag 360
tagaaaactt taatcccaga gtaagtaa tcc                                                    393
```

<210> 242

<211> 360

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 46, 61, 64

<223> n = A,T,C or G

<400> 242

```
gccagcccag cggccctgag tctgacaaag ccttcatgtc caancnggag ggcaataagg 60
nagngaacag actccggcgc taccttggag cctcagtccc cagcccagat cccctggagc 120
```

- REPLACEMENT COPY -

```
ccacccggga gcagtgtgag cttaaccctg cttgtgacga gctatcagac cagtatggct 180
tgaagaccgc ctacaaacgc atctacggta tcactattta ggacctgtgc tgccctaaag 240
ccaaactctg gcagctcggc tttggctgct ctccgggact tgatcctccc tgtcctctct 300
ctctgccctg caagtatgga tgtcacagca gctccaaaat aaagttcaga tgaggaaaaa 360
```

<210> 243
 <211> 325
 <212> DNA
 <213> Mus musculus

```
<400> 243
gctgtcaagg agcctggatc ccaggagcga cctgctgtat agaggctggc ctggggccata 60
gaaacccagg agaggagtca acagttgtgt ttcacccac ctcttgatct gatttttctca 120
cagaaagcca ggcaggatct gctacttagg agtctttagt cccacatgga gtcctcagag 180
cttcaggggc tcagtgtctaa ccgttcaacc tactcaaggc atttttagtag gaggggctgg 240
ggcttaacgt ggtgtttgat cgcttcactt gcactttagg aggacctggg ttcactttat 300
cttacaataa atgaatgaat aaata 325
```

<210> 244
 <211> 426
 <212> DNA
 <213> Mus musculus

```
<400> 244
gggaagctca ttaggcatcc gaaagttcta aaaggaggct ccttgagatt caggaactaa 60
aggactccca agtctcagga agttcctgga accgaccaga acatacaca agaagactct 120
tctttcttca agattatata gcagtaaaga ttgctgagag actctccaaa ttgagctgcc 180
tggaagggta caaactcatt gaggtgccca gaagaaagac taagattagt tgagctgccc 240
agaagacata ttcccaatct gtccagctgg ccccaggcta tgcaatgagc tcagcttttg 300
tgagttgtta tctatattgg gatggacgtt cagttcagtt accttgagat aatcatgctc 360
tttcaagtaa tcccctaccc attttcctgg ggagtaaccc aataaatcca ttgtttcacc 420
atgctg 426
```

<210> 245
 <211> 139
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 57, 78, 111
 <223> n = A,T,C or G

```
<400> 245
gggattcaaa cgggagccgg tttggactga ctggatgcct tcctcctcct cccctnctc 60
ccccttctgc ttcagatnta tttattatat agtaagaaca ctgaagcagg ngtaggacac 120
actagacgag ggcaccaga 139
```

<210> 246
 <211> 318
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 31, 38, 62, 74, 75, 76, 79, 81, 83, 101, 119, 138, 140,
 176, 191, 197, 207, 245, 271, 285
 <223> n = A,T,C or G

<400> 246

- REPLACEMENT COPY -

```

gacggctttt atacagtgan atcggaagcg ngtaacanga gacaaataca tgagacgcac 60
tnatgatcta tttnnnctnt nancctttgc gacatggatt ntcactgagc aaaaccaana 120
ccaaccagaa tgacgatntn attatatgaa tgtgacggtc tctgtctccc cacctncatg 180
tggaacaatg nattcangat acttagngta ccacgtttta atgaccaggc ctcaggataa 240
agagnttttac agaaaattta aaatgcctgg naaagactct tgggntcctg ttcccccttc 300
ctcattaact tcgaaagg                                     318

```

<210> 247
 <211> 219
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 44, 110, 111, 118, 135, 139, 142, 147, 148, 151, 154,
 155, 156, 161, 168, 171, 172, 179, 183, 192
 <223> n = A,T,C or G

```

<400> 247
gcatgctact ggaaaatgtt ttggggaggcg ctgnaatgac ctgnctggac attgtcgccg 60
aggtatgata actgttacct gaaggggtct tttcatgggt ggaggctggn nctacctntg 120
tacttgacct taacnatang angccannac ntgnnnccca nccgactncc nncgggtcnc 180
agnccgggctt gntctccctg accagaaacc cacctctca 219

```

<210> 248
 <211> 102
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 65
 <223> n = A,T,C or G

```

<400> 248
gacacccagg attcagcana catccaagat atggaggaga cactagatgt gaattcttat 60
gcagngaatt aaacaatatg ttattacaca aggaaaaaaa aa 102

```

<210> 249
 <211> 131
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 50
 <223> n = A,T,C or G

```

<400> 249
ggtagaaaga atccagaggg taatggggcca tgtctccctc aagagaagan gtctacatta 60
taaactccct tttcaacccc aacacccact atatattttt aatatataga aaaaaaagct 120
aaaaaaaaaa a 131

```

<210> 250
 <211> 189
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 134

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 250

```
aatcaaatat gcattgatac atatagcata acaaatatat atgatttttt ttcataactca 60
acaaatgggt aaactgagtc tcacagtagt aaaatgactt atttatgaca cattggtagc 120
agacactgaa gttnaacctg agccttttcta tacttttctca atgacctgct atactgattt 180
cattcttct 189
```

<210> 251

<211> 185

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 40, 46, 50, 53, 59, 70, 73, 80

<223> n = A,T,C or G

<400> 251

```
ggagcctagg actgctccat ngggcaacac acaaactatn ggcatnatgn ctntaattn 60
atggccgctn cantgcactn gggatgcttc attgtaaact ggggtgtgta actgattctt 120
tattgtcac tctgtcccat ctgagccaag ccagctgttg gcaattaaaa cccacttgca 180
acctt 185
```

<210> 252

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 54, 55, 92, 93, 96, 105, 106, 119, 129, 139, 277, 333

<223> n = A,T,C or G

<400> 252

```
tgactgatgc catcgcttag atnataaagc gcccgctcact caagcacaga agtnnaaatg 60
gacacgttca ttactttact gatgtacgat cnntcnctga cgtannacct caaagaggna 120
aggctttgng catatgcana aacggggaga aaaaaataat ctctccgagt cagaagcctc 180
gggggagcat agcaagactt atcaaagtta cagtgtctca tttggaaagc gccaaccgcc 240
agccctcggg cgaggtgcag tgggtgcataa ttaatgnagt cccagacaca ggctactgaa 300
gtgccacag gtgtgtgcct ggggtttcaat aanggccttt ccttggaact ccttttcgga 360
ttttgagttg ggcc 374
```

<210> 253

<211> 161

<212> DNA

<213> Mus musculus

<400> 253

```
agcgttccta atcccacctg actgagaaga gtgaccagcg gacctaaaggc tctcttctgg 60
cctacataga cgctgtctct cacatgcaaa aaaaagccca cccctacatg tctaaacaca 120
aataaaatca tttataaaca atataaataa aataaacaaa a 161
```

<210> 254

<211> 188

<212> DNA

<213> Mus musculus

<400> 254

```
ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttaatataac ttcgtataat 60
gtatgtctata cgaagttatt aggtccctca ggctcatggc aggccaccca cctctgcctc 120
```


- REPLACEMENT COPY -

tgagtgctg ctattaaagg caggagcacc gtcatactca gtcctaagc ttcattttaa 180
 aaaaaaaa 188

<210> 255
 <211> 414
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 37, 40, 45, 49, 54, 63, 83, 94, 101, 103, 106, 111, 161,
 163, 165, 167, 169, 172
 <223> n = A,T,C or G

<400> 255
 ggacaatgaa ctgccggatg ctgcccagacc tttgcantgn cctcnatanc tggnacgggc 60
 canaccaacg ctatttttctg ggnttagggg atangactac ngngtnaggg nttagcaaac 120
 ggatggaaca tgtgtggaag atggtacgct atccaggcca nancntntnc antgtcagcc 180
 cggctcacta cgcccgtcgc ctctgtcggg gggcagaggt gcacacagaa tgactcacgt 240
 gtctgccttc ttcccttatg gacaatgcgc cggcaactat tctgcagctg taccagggga 300
 gctagcctgc agttcatcct accagccacc agagggaagc accctcataa ctaatgctgt 360
 gaagactcaa ccccatcgcg tgacggtgct gtaccctgca tagaacaagg accc 414

<210> 256
 <211> 210
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 31, 64, 92, 95, 98, 126, 128, 138, 153
 <223> n = A,T,C or G

<400> 256
 caggggaaac accctcttnc tacttacact ngctctgccc acccccatt ctctccttgg 60
 tttnttggcc ctttactgtg gctgtacttc anatnatnaa agcaagagaa agaattgtgt 120
 gagtgntntc ttccctgngc cttaagggcc ctnatcccag cagcccatat agccagcaaa 180
 tggaggactc ctaacttcag cacaagtggg 210

<210> 257
 <211> 346
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 73, 94, 111, 179, 191, 215, 222, 227, 228, 229, 233, 244,
 256, 282, 308, 314
 <223> n = A,T,C or G

<400> 257
 ggtttagcgta tgcctacgcc cttagcgtaga gagtgacgat gtcccttgaa cagcaacctc 60
 gccagcacgt ctntagagc acgtggatgg gagngcacga gcagcagcag ntgtaccat 120
 ctatcgtgac atagtgtact cacgaagaat gtgatgtgcc gagctgcgag aacacttcng 180
 cgcttgacac ntctgcccct gtctcttaga taaanctgcg tngtcennna aancgatacc 240
 catntgagaa ccatnngatt aatagataaa gcaaagacag tntctgaaaa ggaaaagtgc 300
 gaagatgngc cccntcacat cacgaacatt tatgaagata gccag 346

<210> 258
 <211> 372
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 258

```

ggatgaccgg cttcaactcc ggaggaaata acactactac ctccaacggg tccccctcct 60
ccaattccgg tcgcccagat ttccgaaagt attaaactcag cctggcggtcc cttccctggc 120
cttcagcagc cacaggagga gagctgatgt cgcctgtagg atgagaggac tgcaggatgt 180
gatgcccagt cccattgtcc cccccaggac ccatggctct gacaagccct gaggggtggc 240
ccttccccat ctcttctgat tggaatcttt cttctcccta cccattctc tctattcttt 300
ggcttctcag tgtctctaca acaaagaata gatgattcaa taaagtttct tgattttctg 360
caaaaaaaaa aa 372

```

<210> 259

<211> 373

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 261, 301, 308, 316, 325

<223> n = A,T,C or G

<400> 259

```

ggaattaccg tccccagct ccgtggccag cagtgactca ggaagtacag acgaaatcca 60
ggaagacctg gagcgggagg cggatgtgga gcccatggtc agctgatgac ggaggcccga 120
cgctcctggt ggtcttgggt atgggggtcca gcctcctctc cccactgagc cgtgtgggct 180
ccactcctcg acacagactt ctgtcctccc ttctccggag gccagcggg accgctgctt 240
ccttccttcc tccaccaccg ncccatggaa tgggtgctgtc gatttttcta ttgtccccac 300
ncacaccnca aacgcntact tttgngcgtc catgcagtgc aactgtgcct tctcccttaa 360
gctgagccac ttt 373

```

<210> 260

<211> 192

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 165

<223> n = A,T,C or G

<400> 260

```

aggagaccca tgaagttccc tgttctctga ggaggaaaca tctcatgtct cctgatgcct 60
gctcttcagt ttctgtctag ctgagacacc acaaagtatt gccctcttcg ttttgaattg 120
ctataaaagc atgcctgggt ctgagtaatt tataataaaa tgccnaatgt atttggtc 180
tgaaaaaaaa aa 192

```

<210> 261

<211> 109

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 64

<223> n = A,T,C or G

<400> 261

```

tagaaattga actctggaag agagggttcc cagactgcct tttgagaata aaatgggagg 60
ccanaaccaa agtcttttga ataaagcacc acaactctaa aaaaaaaaaa 109

```

<210> 262

- REPLACEMENT COPY -

<211> 347
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 325, 331
 <223> n = A,T,C or G

<400> 262
 aaagatgaag gcagagatca ggaggggaaa gancctttgga ggggaactgc gcattctcctt 60
 ccaggagccc ggagggggaga gacagctgct cagcagcagg aagaccctag cagattatgg 120
 gatattctct aaggtgaaca ttcaagtgtt ggagaccttt cctcctgaga tcctgggtctt 180
 tgtgaagtat cctggtggcc agagcaagcc ttccaccatc gaccctgatg ataccatctt 240
 agatctgaaa gagaagatag aagatgctgg aggcccttgt gcggaggatc aggtactact 300
 gttggatgat gaggagttgg aagangatga naggccttaa gagcttg 347

<210> 263
 <211> 166
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 20, 62, 86, 133, 141
 <223> n = A,T,C or G

<400> 263
 aaggactgcy gaggcnaacn ctttgetgtg ttcaaatacca agtcaagggt acaaaaatgc 60
 anagcaataa agcctttaac ttgganaagc aaaatcatac tccaaggga ggcgtcatgca 120
 acatcacctt atnaaaatac ntttgaagcc ttttcaaaaa aaaaaa 166

<210> 264
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 155, 198, 209, 258, 288, 305, 314
 <223> n = A,T,C or G

<400> 264
 agacctgaac actccagctc ancctcactt ccaagcagtt gcacacggag tccctattca 60
 tccaacggct ttctatactg ttttccagaa gtgggaaacc ctcggcatta cgcgtagtgg 120
 gggcggttggg accttaaaac tgacgtgaat ctacnattcc cagtagcaag gcaaaaacacc 180
 agaggacgtg aatatgancc taccgtctng ctgcgtcgga gactcaatgc ccagggactt 240
 caagcctgca aggactanga aatggaaagc atcggtctaca agtgccgncc tccccattac 300
 ccttnctctc cggncccaag gaggcgtgta ctaagtgaag ggactcggct tatagatccc 360
 acccatttgg cgagc 375

<210> 265
 <211> 123
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 72
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 265
aatTTTgtca gaagcactgg agacttttagc cactgagctt natgaactag aacgatccct 60
ggTtgaagga tNccgcctg tcagcatcct tagtgaggag gagttctatg atgcactgtc 120
agg                                                    123

<210> 266
<211> 192
<212> DNA
<213> Mus musculus

<400> 266
gatggacaac gaaagctgag gaaggagatg tacaagggct ggagaggggc tgtcgtacag 60
ccactggatg aaggaaggct cccgctccca tcctgagctg aaaaggaaaa ggagcatcaa 120
agatccaaag cctcgcgttt ggTttttatt tttattaaaa acctcctgat tttctccact 180
gaaaaaaaaa aa                                                    192

<210> 267
<211> 338
<212> DNA
<213> Mus musculus

<400> 267
aaggccagac ccagacacca caccagcaa tggatacagg acatcacacc cagcaatgga 60
tacaggacat cacaccagc aatggataca ggaccttgga gaaattagga gttgtaagca 120
ggacctaggc ctgcttgatt ctttcccacc taagtgaggt tctggagagg gagcccttcc 180
acccttccag acccagcaaa agggcaagat gggagcaaga agcagagggg agacgggcag 240
agctaggaag acagccccc aaagaactgt gggggaaata aatcggatgc ccttgggtgg 300
cagcaacaat aaatcgtaca gcagtgcaca aaaaaaaaaa                    338

<210> 268
<211> 469
<212> DNA
<213> Mus musculus

<400> 268
ggctccacca gcttctcgga tggagccagc gcccgtatcc atgctatccg actgcaaaga 60
gagtcgtgga cgtgaaaaga aaaggcacia caagggagag agaacctgcg ccccgcgatg 120
ggcgctgggc cgtgccgcca cctaccgagt ccgagacgaa gcctcgggtt tgcaggacct 180
tcatacccca gacaccgaac cgagcccgaa ctgccaacgc cgagcctgcc attgtcttcg 240
gcgttgctca gctcgcgttg cgggcgtggc tgcttctctc ctagcgcgct aactgcgagg 300
gcggtgaac tgccaatcta gacgccgggg aggtgggacg agcacggaaa ccgcgaatca 360
ggagggaggg ggcggggctt atgatatctg cagcgtttgt tgagagggag gcggtttat 420
ccttagttaa caagtaataa acaaggctct acgcatcatg acccagagt          469

<210> 269
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 212, 226, 236, 237, 239, 245, 246, 247, 257, 258, 267, 269,
270, 283, 296, 300, 353, 371, 374, 378
<223> n = A,T,C or G

<400> 269
ctgccgaaga agagtgaatg agaaaagaac aggccaaagc tgctgcagga aggtgccggc 60
ccaggagacc tccatcatca cccggctgtt tgaaggacag ctcagttaca gcatcacatg 120
tttaaagtgt gagagctgca cgcacaagaa cgaagttttc accatcctct ccctcccat 180
cccatctgac tatgaatgtt ccctccagga anggagcccc cagctnctga atatanntnc 240
ttggnnntga gatgtgnngg gaggggngnn cttttgtgaa atnaagcaag aggcantgn 300

```

- REPLACEMENT COPY -

gaggaccacg atttccaagg tgccgaaaat aattgttttt cactttaaaa ggnttgacat 360
ccagggcaca ntnaganga aggttcggca gacattc 397

<210> 270
<211> 266
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 170, 171, 177, 186, 210
<223> n = A,T,C or G

<400> 270
gggaaggaga agaggcggaa gcagccaagg agctgtctgct gaatctacag tccacggggc 60
ttcatctcct ctacggggcc tgccaatgtg tcccactctg ccaggggaaga actcgacaat 120
acccctcag aggtgtgttt gtttagattaa agttggattt gactgtggan ngcganttg 180
gaaganttg accatgtgac ccagaactan aatgtaatta ctactgttca gtttaattgct 240
ttaattttct gggctggggg gggcgg 266

<210> 271
<211> 358
<212> DNA
<213> Mus musculus

<400> 271
ggtgagggcc cgactgctca cctgtgtgga ggggatggat ttgtccctgt tagagaaagc 60
catcttgag cagaggcgct acctgcagaa gaggcagcag ccaataggag acgccagcac 120
cttgcaaacc cctacacctg ctccctcaatc gattcccagt gacagcctta gtctggaacc 180
agagaacagg gggcagcagg tgcccccttc ccaaactctg gactgagcag aaagcccacc 240
caatctggcc gtagtggccc atgctgcaat cccagtgcag gcagggagag gcgggaagag 300
gtggagttta aagccagtct gagctacata acacatatgc cctctctctc tcaaagaa 358

<210> 272
<211> 219
<212> DNA
<213> Mus musculus

<400> 272
gattgattgg acccaggacc ttcccacggc tacagagggg ctctagtacc aagctacatc 60
tgcaccccaa tccaccgtta acagctctac aaaagaaccc agctgcctaa gctctcttca 120
ggtttcagtt ctactctaa ccctgtggct ctgctccttg cctctctgct cctttcaata 180
aattcagtcc tagtttgta atttactgaa aaaaaaaaa 219

<210> 273
<211> 164
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 39, 42, 51, 67, 74, 81, 93, 96, 99, 101, 114, 120
<223> n = A,T,C or G

<400> 273
gaacgcctgg ttccgtttta tgaagtgcga ttaccaccnc cncctgatat natgtaaggc 60
agctganaag cttncctggg ntctctggaa gencancang ngctcttaac catngagccn 120
tctctccatc tcaaaccacc catgtatata aatgaaaat acat 164

<210> 274
<211> 349

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 293

<223> n = A,T,C or G

<400> 274

```
ctgaggtatg ggagttttgc ctggataaga cagaagatgg tggcgggatcc cccggaagtg 60
atgttacaga cacttgtgag cctccatgtg gatgctggga gttgaatccg aattccctgg 120
aagaggagca cgtgctgttc actgctgata cgtacctgga gctccacaac gatgacacac 180
gagttgtgag agtgaagggt atagctggca taggcctggc caagaaagac atcttggggag 240
ccaggtaaat aacaatgcat gagcttgggg tttaaggaaa cagtattgct tantttcttt 300
cttgaacttt gattaaatga aaatctgagt gatagtagca aaaaaaaaaa 349
```

<210> 275

<211> 258

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 85, 86, 87, 100, 102, 109, 110, 115, 118, 131, 133, 143, 148, 150, 151, 160, 161, 166, 175, 176, 186

<223> n = A,T,C or G

<400> 275

```
tcagaaaact tcctgaactg gnacgtcatc actgatatgt tcaaaaatgc atttcctttc 60
attaactggg acttcttccc taagnnnaaa ggactgagan gngccgatnn tgatnccnag 120
cgaccattct ntntaagacc tangaccnan nctgagcccn ntggancagg aggcnnngcga 180
aggaanctga agtccatcct acgacaaatc tcccctgcct cagttccccc aataaagtgt 240
tttccactca aaaaaaaaaa 258
```

<210> 276

<211> 310

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 49, 59, 71, 83, 84, 88, 89, 94, 96, 98, 104, 124, 130

<223> n = A,T,C or G

<400> 276

```
ggtgtccgcc gatgccttag aagtggagtt aagagttgtg agctgccgnt ttttggtnt 60
gggactcgaa ntctgttcac ctnggatnnt atcngncncc aagncatata cttgagcccc 120
agcnacatan agacttcagt gagaaccaga gagatgggtg caggcctgcc aacctgagtt 180
caatagcaga acccacacag tagcaaaaaga accaactctg acctcccctc tcccctccc 240
ctctccttcc cctctccagt agtcactcca gagacaccca aaataaaaaa tttaaagtga 300
aaaaaaaaaa 310
```

<210> 277

<211> 240

<212> DNA

<213> Mus musculus

<400> 277

```
aagcccaatg taaggttcca gatggcccac ttatttggag acaccattta acacggttct 60
gcttctactt ccatgagaac ctagtgaaga agacacagcc agagctttga tcaaagattc 120
caaatgcaaa tacaactaac cacccaactg gtcccatcag ccaatgtatc tctttgttac 180
```

- REPLACEMENT COPY -

ctcaagggag attgatttac gctttcatca ataaatcttc atattttcaa agaaaaaaaa 240

<210> 278

<211> 273

<212> DNA

<213> Mus musculus

<400> 278

tatggacgaa	aagatggatg	ttttaattaa	taatcaagaa	gaacaacaag	cttccctttc	60
aaaaccaagc	caaggagcag	cagaaattct	ggcagctagg	aaagatggac	aaaggctccc	120
aagccatgat	cacagaagaa	cccgatggag	caccattggc	ttgtgacaag	aatgtgggtgc	180
cacaaaaacc	aacgaggaat	ccactggagt	ccctccatcc	atgtcagagt	tgctgcgaga	240
aatgtttgtt	gtgtgcccta	aagaccaacc	gca			273

<210> 279

<211> 131

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 48, 58, 67, 68, 71, 72, 76, 83, 100, 109

<223> n = A,T,C or G

<400> 279

acttcttgaa	ccaggattcc	ggaagaaatg	gagacctttc	cntacatntt	gtgagcanca	60
aaaggannag	nntggnacgt	gtntataaat	gacgttgaan	taaacaggnt	gttttttgtc	120
aaaaaaaaaa	a					131

<210> 280

<211> 276

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 27, 236

<223> n = A,T,C or G

<400> 280

tgtatagctg	acactctgna	taacacntgg	tagctatctg	ctggagaagt	cgcgagtgat	60
cttccagctg	cccgggtgagc	gtggttacca	tgtctactac	cagatcctct	caggggaagaa	120
gccggagctg	caggggtgagg	gtcaggatgg	gaggtcagat	cccaaagaca	ctgcctggct	180
ctgggatggg	tgttcaccct	ctctgcagag	gcgtggggca	cctccactct	cctggnaaca	240
cacagctggt	tgteccaccc	tttttcttcc	tactgc			276

<210> 281

<211> 305

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 22, 40, 42, 52, 55, 64, 70, 73, 81, 89, 105, 114, 126,

134, 147, 158, 171, 188, 202, 205, 219, 243, 253, 267, 268,

269, 280, 283

<223> n = A,T,C or G

<400> 281

aggcctgggc	ctgaantctc	anagccccaa	gctgtgcggn	tnacagagac	tnagntcttc	60
------------	------------	------------	------------	------------	------------	----

- REPLACEMENT COPY -

```
ctanatcaan tgncttggt ncttcattgng caaacgcaaa cgcanaactg ccanagaaga 120
cagtanaagc tatncttct gaagctncca agggagtncc tgcctgccag ngccaccaga 180
tgacagtnc ccatggagga tntnctcag atctccgtnc tcatcagtca cctgctgggc 240
agntgcctct tanattcctg tctgcannnc agacagtcgn cantatgcac actttacccc 300
agcag 305
```

<210> 282
 <211> 281
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 116, 138, 145, 153, 154, 155, 166, 175, 177, 179, 180, 182,
 183, 186, 192, 227, 233, 239, 240, 253, 262, 265
 <223> n = A,T,C or G

```
<400> 282
cagcgccatc ggccgacccg gcgcgcccc acgcgtgccc ggactgcggc cgcgcctttg 60
cgcgccgctc cacactagcc aaacatgcgc gcacgcacac gggcgagcgt cccttngcgt 120
gcacggaatg cggccggngc ttctngcaca atnnnattct gaccanacac ggacngncnn 180
anncantcca anaaaaggga ctatggcccg gaatgcgaca agcgtctnct cgncgcctnn 240
aacctgcggc agntccggcg gngtnacacc gtagagaagc c 281
```

<210> 283
 <211> 140
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 46, 74
 <223> n = A,T,C or G

```
<400> 283
gacccccggt ccaatcgaca acactaaaan tgcggttact aaatgnggca gtgtgatgct 60
caagcaagga gcanactctg gtcaaatttc agaagaaaca tggaatttcc tgcagtctat 120
atatggtggg gggcctgaag 140
```

<210> 284
 <211> 148
 <212> DNA
 <213> Mus musculus

```
<400> 284
accctgaggt acgacggcga agctccaaac gagagagacg atgaacacgt cattaacttc 60
tattgtgaaa gctttggggg gaaaaaacat tttttgtcta aatatgaggc taaataaagc 120
cttggatgca caaaccagaa aaaaaaaaa 148
```

<210> 285
 <211> 474
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 407
 <223> n = A,T,C or G

```
<400> 285
gacagcaacc ctgctctgag actgcagccc aggctacca ttctttcttt ctccatcctt 60
```


- REPLACEMENT COPY -

```
cccttgattc tgctgcagac cctctggtag ctgggcttcc tcagggctcct ttgtcctctc 120
caccacaccc agactgattt gcagcctgtg gtgggagaga actcgccagc ctgtggaaga 180
agaccagcg tgctacacag caaccggaa ccaaccaggc attccgcagc acatcccgtc 240
tgctccagaa gaggtcttag aagtgagggc tgtgaccctt ccgatcctga gcggctagtt 300
ttcaaacctc ccttgcccct gcttccttcc ggctcaggct gctcctcctt aggactttgt 360
gggtccagtt ttgccttctg ttctgatggg gattagcgtc tcacctncag cgcttcttcc 420
tgtttcccag gaccaccagc aggctaagga atcaagcatt ccctgttgcc ttct 474
```

<210> 286

<211> 393

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 72, 81, 99, 102, 139, 140, 149, 155, 163, 176, 178, 223, 227, 236, 250, 257, 264, 297, 305, 307, 317, 318, 330, 367, 372

<223> n = A,T,C or G

<400> 286

```
gaactgaggt tggctacnca gagcgatatg aaaacagaca aggagcagga ctcatccatc 60
aacctgatcc gntgtccta nctgggcagc ggggacagna gncaagtcac ttctgaggaa 120
cagattccct acacagtgnn ttccacatna caganaaata tantgcagag ctactnanga 180
cacagagaaa gcctggctac ccaacagccc cccaagaaac agnccantgc caccgnccga 240
ggcctcagan agcttancac acangccgat ccacatccat tatcatgcct taatcgnata 300
cgagngngct gaacaanncc cataccatcn ttctggactt ttccatgggg cactatgtgg 360
ataatcnggc tntgggtata ctaaggcagg acc 393
```

<210> 287

<211> 198

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 67

<223> n = A,T,C or G

<400> 287

```
agatgatgac gaacatgagt ggattgtcag gacctgccgc aagggtgtgt tgccaatgcc 60
caaacangaa gtcctagcca tgagcacctc ggcctcagca tctcaccagg gacttccttc 120
tgcccactgc tggcctggga aactggctgt agtccatagct tcgacttaag tttcagaata 180
aaggttttct gcactgaa 198
```

<210> 288

<211> 431

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 135, 136, 145, 149, 151, 163, 166, 172, 198, 206, 211, 225, 226, 231, 244, 249, 257, 335, 362, 371, 408

<223> n = A,T,C or G

<400> 288

```
tatttgccgc ccgacttggc tgcagtccgt ctggagagag aggctgtgag cccagctgcc 60
gcacctatgg gcagaccttc gccaacgcca cagatctgtg tcaactctgt ttgggtcacg 120
tcttgccggg agcanntcct gggtncagnc nctgcctcaa cgnctncatc tntctacag 180
gagccccccg ccgccctngt gcctgnattn naaatgttgt atgcnnatggc ngcggcagcg 240
```

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```
gcancggcna cagcccngag ccaatgtttg gctttcaata cgtgtccctt ccctaggcca 300
gtgagccacc cagaagtcac ctacctctct tcctntatcc ttccctccta aaccaggccc 360
tnccacctgt nttcctagaa atgatctaac cctcacttat tttgcttncc caaaataaag 420
ttgccagcct a 431
```

<210> 289
 <211> 483
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 374, 417, 449
 <223> n = A,T,C or G

```
<400> 289
atatcgacac tgctaagcaa tccgtctctt gaggaacatc gcttcaagtt ctgaacttcc 60
tgtagagcct tcctgcagtg caagctggcc tcgcactcgc tgtagagcta atgctggcct 120
agaattcctg accctcctgc cttttactta ctccaaggaa ctgagaatat ggacctgaac 180
ctggatttac gtttgctcta tgagtgggtg aaccgggcac cagaacatgc caggcagtcg 240
tccaccactg agttacgtgc ttacactagg cttttaccct tgcaaagatg gttgctatgg 300
acatttatat atgtgattgg cttacgtggg atggtaaaat agtcttatat tttgcagatt 360
tggttattcg ttgnttattc atttaggtct ttaaccatct ggagtttatt ttggtgnaat 420
ttttttttta acattttgga gcttttggn tttattatcta aaataaaagg tattcattca 480
tgc 483
```

<210> 290
 <211> 413
 <212> DNA
 <213> Mus musculus

```
<400> 290
gagagaccta tgcattgctt atatgctggg gacattgact tatctctata ttggtatcct 60
ggtttttgcc tcattccctt cgccctccatt acccaaagat tgtattgaac agaacttctt 120
agacaacttc cccagcagtg acatcctgtc cttcattgca aggatattcc tgctgttcca 180
gatgatgact gtatatccgc tcttaggcta cttggctcgt gtccagctct tgggccatat 240
cttcggtgac atttatccta gcattttcca tgtgctgatt ctttaacttag ttattgtggg 300
agctggagtg accatggcct gtttctaccc aaacatagga gggatcataa ggtattcggg 360
agcagcatgc ggccctggctt tcgtgttcat ataccctgct ctcctctata taa 413
```

<210> 291
 <211> 223
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 26
 <223> n = A,T,C or G

```
<400> 291
ccctgtttga atacccgagn tagatngact gccaaagaaga agcggctgtc tctggagcag 60
ggaggagcag agctaggaca caacgttacc cataagcatg aaccacttcc aacgctttcc 120
ccactccagg cagacactgg agccattaag caataactcc ccaaccttcc cctccagatc 180
tgatgcttc taaactactt tctgtctatg atgaaaaaaa aaa 223
```

<210> 292
 <211> 435
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 398, 412

<223> n = A,T,C or G

<400> 292

tcactggcct	gtttggaaca	gagcagcaag	gcaccagccc	tgccctcagt	actgcgaacc	60
acaccagaga	gctcgggtttt	cctaggtgga	aactaccaag	tcctgttaca	caagttaatg	120
ccccatcttc	taaatgggca	cggtttctcc	tggcacctgg	aaatagtcct	caagtggatg	180
agaaaccaag	tcctctgcag	gaggccacca	tgctagctga	cctggcacia	gggactgttg	240
agaacaagac	tccagtggaa	ggccacttca	gcagagcccc	tgccattagg	cctcctcaag	300
ccattcacac	taccacccca	caactggaca	gacctgacag	gaagaccgga	gagcagccaa	360
gggacatggg	gactcctcga	gcagatggta	ggcctttngc	tcaagggacc	cnagaaaggt	420
tcaacctttg	cactg					435

<210> 293

<211> 385

<212> DNA

<213> Mus musculus

<400> 293

gtccttaaag	agaatggata	aagtgcacac	atattgaaga	agaaagaggg	gttcactcaa	60
cagagccccc	agggaggcta	gaaaaagctc	aagcaagttt	gtctttgttt	ttcttcttct	120
tctttctgac	atataaaacc	cactgttgg	gttaacctgg	gcaaagagct	gtactgcaac	180
aaagaagcgc	aagcttttca	gttgctcttc	gaaaacaaga	ccaggaaggg	gccttcccaa	240
agcatcagtc	cgtagaaaag	ttactttctg	ctttaaaatg	gggttcattc	aaagatgacc	300
caagtacaac	agtatctaca	gaggtcattc	ccctgcccc	aattttcttt	tgtacatcca	360
agaataaaca	acattaaaaa	aaaaa				385

<210> 294

<211> 299

<212> DNA

<213> Mus musculus

<400> 294

gcttgaagag	aaatcgggac	ggctgcagac	acaggagcct	ttgcccacag	gatctgaaca	60
actggctaac	ggaagcaacc	ccacggcagc	agaagataaa	cacaccagga	gtccacaatg	120
agctggagga	gactctttca	gaaagaaacc	aacattccct	ggctcaccgg	aactcctgat	180
ggcaaaactg	acctatcaca	atggtcacct	gtttatccag	aaccctgac	tagcggcttt	240
ggccttagcg	atactttcat	tctgcgtgga	tctgcttttg	tggagtggga	agggtaatg	299

<210> 295

<211> 421

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 19, 276, 356, 359, 363, 373, 376, 378

<223> n = A,T,C or G

<400> 295

gagatttcca	gaaatatnnt	gactcacgag	aacgtaacag	aaaacctgga	gagtccagtg	60
ctaaagtcca	aactggagga	gctacctgaa	gccccacta	caaattgggtc	aacaaagaca	120
catctgaaga	tgcgagtga	ggcgagacct	cctggacaga	tcaggggaat	gggtgcataca	180
gatgagatgt	aagccaatca	cacaagacac	cacacaggct	tccttatcac	cttttatcat	240
gtggcagggc	acctcaaagt	cttgctatac	atgttngatt	tcatttcttc	tttgtggtaa	300
ggtcaaaggg	aaacaagttt	taacttggaa	ataaacttcc	tagtcaaat	tctaangcna	360
ganatacatt	agngantnca	tttcttcttt	gtggtaaggt	caaagggaaa	caagttttta	420
c						421

- REPLACEMENT COPY -

```

<210> 296
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 34, 44, 45, 46, 50, 60, 61, 86, 89, 93, 101, 112, 116,
130, 142, 150, 151, 162, 163, 167, 169, 179, 185
<223> n = A,T,C or G

<400> 296
gacaagatcc tgaccatcan cgagagacct ggaggaggc acgnnnacn catcagcttn 60
nagaccgaag ggtgacacag cggccntanc atnatgccc natgacatta tntttnttgc 120
aaaggataan ctgtacccta cnttccatan ngagcatgac annttcntnt tcgcgtacnc 180
cattnctttg ggcagggacc ttacctgctg cactgtggag gagaatactc ttgttgaccg 240
gatgct                                         246

<210> 297
<211> 346
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 317
<223> n = A,T,C or G

<400> 297
gctctcttcc tcaggccgng agacctaccc ggggaggcct ttctttcaca cccagcccag 60
gagcacgccc ggcttgatcc cccgacctcc agctgtcag cctgtgcacg gcaggataga 120
ctggtcttcc aagtacccat cccggcggtg actgtcccgg ccacggggccg tgctcctcag 180
ctggctccat tgtaccgcga caaccacgag gcggtgtaaa acaaccacaca cttacagctg 240
ttctgaacta atacatttca atatttcttt taaatttttt taaaacatt gatttgaatg 300
caataccctc tttttgnata aaattatttt attctaaaaa aaaaaa          346

<210> 298
<211> 206
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 164, 170, 176
<223> n = A,T,C or G

<400> 298
tgggtctccg aggaatctca ggccgtcagc taccatcatg tatacagatg ttccatgagg 60
aggtttgctt ggatcccacg gcccgacatt cctgttcagc ctcattctcc ctctgatcca 120
gcatcgtttc tgagacctgt ctcccagggt gcatttctct tctnttctgn cttggnttcc 180
gaccttaag taaccaagtg actaat                                         206

<210> 299
<211> 404
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 165
<223> n = A,T,C or G

```

- REPLACEMENT COPY -

```

<400> 299
atattttgccc cctgcctctg ggaggacgtc ttgatggccg ccaggctgtg cttgtcagat 60
gctgaggaag cactgtttggg ggcccctggt ctcagaagtt ttgtcagcct gactttctga 120
gagataccac cagaagaact atgtctacct tgggtgtttct ccanaaatga atgctgcgtc 180
ccccagttcc aggccgtgca ctttcctttg aacatccgtc tgcacccctac atccctgccc 240
ctctgcccac atgccgctcc ttctctgtta gcttggatag caggctggct ctggccatca 300
gaaccattgc tgaccttggc tgtcttcacc tgctgggcag acacaaagtg aggccaacat 360
ctggacccag aggagaaatt agaggccatt tgtggaagca ctca 404

```

```

<210> 300
<211> 232
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 208
<223> n = A,T,C or G

```

```

<400> 300
ggccaaggaa tatgccatga aagccctcag cctagctgag acatacgtca gtgaggagga 60
acaaaggttt attcaagagt tgctgagtgt catctcagcc gaggagaagc agccctagag 120
agcgcctgcc tcgctgggtg tgccaggggt gggggagggg gagtgccatt atgctgactg 180
ggcatcctct gtactgtttg tgaagtcnat agtaaaatcc tgtttcaatt tt 232

```

```

<210> 301
<211> 477
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 46, 187, 376, 426, 455, 457
<223> n = A,T,C or G

```

```

<400> 301
agacaaacta tgctatatgt tctcttctgc gcactgaaag cacttntgac agacagcctt 60
tgagcagagc tccagctccc tgcccacaga tacctaaact gactcgggtga cattccttcc 120
tcattaatct cctccatca attgggaaaa gaagtcagca ggatgaaact tcgaaacttt 180
tctagtnttt tctacctctt tctctcccc tttggaaagc ctgctggaat ttcgactggg 240
atgttttcca ggctcctggc tgtagagacc tcagctcgct aaaaccacag ttgtttgtgt 300
gctgccgccc acaggaggct acaatgatga aaaccacagaa tggcctgctt tcattccctc 360
accctgagg aatccngaga ccagcagaag gatgtgccag ggggcacatc tagcttccca 420
accttntggc ttcattttta aggagaagat gaaananct ggtaaagtgt tcctggc 477

```

```

<210> 302
<211> 196
<212> DNA
<213> Mus musculus

```

```

<400> 302
ggtgacttag agcctataga agatggattc aatcttcata agcatgaatg ttggccagcc 60
ccagaaattt tcttctgaat ccacagagca tgtgcttggc tacttccttg cccagaata 120
gcattcttag aagacaaaga ttacataatg tggtgacaat gtctaaaata aactatcctc 180
agcatcaaaa aaaaaa 196

```

```

<210> 303
<211> 339
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 17, 32, 38, 42, 43, 59, 65, 123, 191
<223> n = A,T,C or G

<400> 303
cttctgccag ctgagcncgc tgggaatggc angaatntc tnncatcact cgcctttgnt 60
acagntctcc ggggcttttg ggccttttgg cttctgccct tgactctccc tggccttgac 120
tgnggctgct ctgcattcct gggcagggct ggagcttcta attgggagct ggcacctgag 180
gcctatctgc naactggcca cagactagct ttgtccccgg ctgcctctga ctctccaggg 240
atagatcatt ctctgaaaac tcactctgca ggatccgtct tccaagatcc gtctccaaga 300
tccggaacct gaagccagaa tgtctggcag ggctaactt 339

<210> 304
<211> 267
<212> DNA
<213> Mus musculus

<400> 304
gagatgcctg ccttcctgtg ccgaggacac agagataaaa attcacgaaa gaactcactc 60
cccaactcctg ccttgtaaatt ttcaccaagg acaccgggaa gagaagaact ctttccaact 120
cctcccaact ctttcaactc ttcagctagc tgttaaaagc cccctactgt caccgcttgg 180
gggtcgaaact cccctgccct gcatggcgga gggacttcgt cctcagctag ctgataataa 240
aacctcttgc agtttgaaaa aaaaaaa 267

<210> 305
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 66, 83, 97, 119, 129, 260, 270, 289, 290, 292, 293, 340,
353, 357, 359
<223> n = A,T,C or G

<400> 305
gtttccttca atgccgtatg ttcttgccct catggcttct caggaactct catgcacaac 60
ctaggncgac taccactact acngttacca ccaacancac taccacgatt acaagcggnt 120
tcaacctgna tgtgagacca cctgcatcac cttggctgaa taacactggc ttgatcaatg 180
tggcttctat gccttctacc atgactgtga actcaatagt aactcctgtg atgacatatg 240
gacctctgga gagtatggcn aacaattggn actatcagct acaagaacnn gnntaacact 300
atttttatca ggccaaccaa ttcaaactct tgggaaccan gccctgattt gantctngna 360
atgagatttg ctccttttagt atcca 385

<210> 306
<211> 274
<212> DNA
<213> Mus musculus

<400> 306
gattaatgtg cagctgtcct cctgggtgga agagattcct ctgagcttgg atgtgtactc 60
acaaagggac attgaccaag aagctcttca acaaatccat ttatataagg ttctctagca 120
ccaaagcaac ctagtgtatc cttaacccat atgctttgta tattcccttg caaacatgac 180
cgtgtgccag taactagttc tgtgtgacta tgcatatgca gtagtcgtat gtggatataa 240
ataaactatg ataagataac taaaatataa aaaa 274

<210> 307
<211> 287
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 22, 51, 139, 168
 <223> n = A,T,C or G

<400> 307
 ctggagaact atgaggctgc angaatgtaa caacgtcccc agagttgctg ngaccttgtc 60
 cctccatcta cgggacaatg aagtacagtg gtccaggcta gccaccttc ctgggctgtc 120
 tcatggggac ttggatgang caccagatc ccagcaatca agataacngt tcaaggactt 180
 tgggaataga gacaaaagca ttaagaagtt caaggatagc cttggctaca tgtttaaccg 240
 gggctacttg ggactctgcc tcaaacaaaa caacaaaaca aaacaaa 287

<210> 308
 <211> 299
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 26, 32, 71, 82, 126, 128, 179, 199, 203, 213, 268
 <223> n = A,T,C or G

<400> 308
 atgctgtcct cataaatttn atgganaggc cnaggaggaa ctacttaaca tcttctggct 60
 gacaagagct nacggtgatg anaatgcttt ttctgtgatc cactacgtcc tacaaacgtg 120
 agattnanag ctagcaagag ggctgacaac ctgagttcaa gccctgggac tcacatggng 180
 gaaagagaga gcgaacttnt ggnacctatc ttntgagatc ccccgatcat gctgagacac 240
 agtcctctcc cctttcccca gataatantt gagatattaa aaatttaaaa aagcaaaaa 299

<210> 309
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 309
 gggccctgtg atgcatatct tctttattac cttcagttga agatgtctgc aaacccttgg 60
 aatgcgccct aagttttaga agtctgctgt tatctcagaa gcaattaagc agtcccatta 120
 taaaaggctc ttgcacaaaa aaaaaa 146

<210> 310
 <211> 512
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 144, 343, 473, 474, 492
 <223> n = A,T,C or G

<400> 310
 tttgaagacc tttctaactc cagcggggcc tgtgactaac cagtgcagg caaatcaaac 60
 cctcaaacaa gtcatagaga gatatttacc gaaaagggtac cgagaagggt gctctgagga 120
 gcagctaagg cagctctacc agcngactct caaccaaagtg gatggccctc cggggacaca 180
 gtgcggctga ctgcattcga atttacttga cagttagccag gaagtggccg ttctttggcg 240
 ccaagttgtt ctttgcaaaa ccaatagcac catcatcact tggcaataat tgcgtgtggc 300
 tggctgtcca tgaaaatggg ttgagcatcc tagaatacac ctncatgaga ttagtgacca 360
 gctatatgta caaagggtctg atgacctttg ggggctatca agaggatttc atggtagtcg 420
 ttagtacaca gtcaaaagac cggccaacag agaagttact ttttgcgatg gcnaaacaca 480
 atgatttttg anatcaccct tctgatcgcc ag 512

<210> 311

- REPLACEMENT COPY -

<211> 456

<212> DNA

<213> Mus musculus

<400> 311

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gtccttggat tacactggct gctctcctga ggtaaacttg cggagtctat aattaaatag 60
aaaaaagcat gtcagcaagt tcacaaggctc aatgctacag tacaagatgg agtcaggatc 120
acagaatgac atcactacta tcactcttcac ctcatgaagt atgaacaaat cagtagagac 180
cctattgtca aagtccagtt ttgacatgac tcggtctgaa gtctgaagta ggtgtgggat 240
cagcagaaca tggacacagg aatcttcttg atagtctcag caagttctct cttctttatt 300
tccccccaac cccagctta tgttcctcag caaactctca attacagtgt ggctatatct 360
tatttttctt taagtgaatg attacaatga atttcctaata acctttatgt gattaaatgt 420
tttacatatt acaggtgaaa aaattcctaa gaaccc 456
```

<210> 312

<211> 252

<212> DNA

<213> Mus musculus

<400> 312

```
agctctcagc ctgacctgaa catctgaggt tgccttgacc cgatgccgtc tgccccctctg 60
atactcagct tctggatcat gaacctcgaa actttttttt agagggctgc cccacccact 120
gctctctctc ctccccgcct cacaccaccc tctccccctc tccatagtga gttagaagaa 180
tctaaagggg ttggctgcgt tctctgattc tgtggaactt cttataaaat cattgctcta 240
caagaaaaaa aa 252
```

<210> 313

<211> 192

<212> DNA

<213> Mus musculus

<400> 313

```
gttgaagatg gctcccagac cctggacagc aaggaaacag caactctcct acatctggac 60
caacatctcc atgcccattt tcttaggttt cccagagaca cagcgctcca aagtcagcag 120
gaaacaacta aagatcacta tgcccctaata cctgcttcac catcatctct agtttttcct 180
ttttttttta aa 192
```

<210> 314

<211> 318

<212> DNA

<213> Mus musculus

<400> 314

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gacagcgcct gactgagatg gaatgttctc aggaccagct gagggatagc ctccaaagcc 60
tgcaacttct ttcaaaaaca ccaggatctc ggagccagcc cctgcctctc aaagcaccat 120
gtgtcaatgg agctgatctg tcaatgggca cttgagcatt tcacccact ccatatatgg 180
tctggaagcc aagagagcca ctacagagga ttttctgact gcctcagccc ttcatggcct 240
tcagtggggg acagagtggg aggtgtcaat cactctggta actgtgaggt tgcccagtaa 300
atccatttca gaaaatca 318
```

<210> 315

<211> 169

<212> DNA

<213> Mus musculus

<400> 315

```
aggacggagt tgttttcgatc tcttttcggc cagctcaacc ctctgatgc agaccgtggg 60
aagtgcagct agcatcctct caggcccgac ctccagcagc gaccacactg ctgcctccaa 120
taaaatgatc aaaaactaca ataaaccttt ttttttttaa aaaaaaaaaa 169
```

<210> 316

- REPLACEMENT COPY -

<211> 446
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 393, 404, 407
 <223> n = A,T,C or G

<400> 316
 gtggtggaag accaaagaag agacgacctg ggcccatcca cctgcctcac agcctgctgg 60
 actgctctgt gttgctgctg cctctgggac atgctcacct gatcacctga tgagcccagc 120
 tcttccgctt ggccgctctg tgccacctcc gataagtgtg cctggcccca tctcttctga 180
 ttgctataaa gtggctagct ctgcgagac acctctactt tctgtcctat ggagttttag 240
 attagtggagg gttactgcta tttagtccag tgacttgatc tttttaatgt tcaaaactca 300
 tttcttactg atctttaaaa aatgtgctaa ataatttact tttttggcca aaggcttagt 360
 tatgaaatat atatttataa tggttaaatt atnccctcaa aggnatngca ttatgggacc 420
 cactattaaa tctctctgtc atacc 446

<210> 317
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 317
 ggagtgggtt aagatgagga gagccctttt ccgcagacac agcaggctga tgatgttctg 60
 cgaactgcc a cgattacag agaacaactc tccctgaaga ttttgagga gcacttgagt 120
 gcctcccctg tctgtggagcc atgatggcca ggacaacctt tacttctcta taattatttc 180
 aacaataaag atgagcattc tgaaaaaaaa aaa 213

<210> 318
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 318
 aggacctatg aaaagctgga gatggcggca tgcattctgga atccctgcac tctgttcatg 60
 ggccgagaag tatagaaagg aaaatgcccc aggaagcttt acatgagaat gtaacacagc 120
 ggacagaaatc acaagatact ttgcctcaaa tgagataaaa gatgagaact aactcctaaa 180
 aaaaaaaaa 188

<210> 319
 <211> 182
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 42, 55, 60, 66, 68, 95, 106, 139, 152, 153, 158
 <223> n = A,T,C or G

<400> 319
 aatgtgctcc caggtggacc cnctgatggc taagcttttag anagctgaca gggngggctn 60
 tggctnantg gcacatccca tgcttcatgg gctanattca ggggcngatc acacttggtta 120
 cgataagagc ttacatagnt gtcttcgaaa gnnctggntg ggatggcact cgggtgtggc 180
 gg 182

<210> 320
 <211> 173
 <212> DNA
 <213> Mus musculus



- REPLACEMENT COPY -

<220>
<221> misc_feature
<222> 21, 32, 46, 67, 125
<223> n = A,T,C or G

<400> 320
atgacagctg gaggaccag nggtgtgatgc tncatctgac tgcctncact ttctcccaca 60
tggcccnnga acttttgtgc ccaactttct tcccttctct gctccctct cccacacca 120
tctgnctgcc acctcccaca tgacacctca aataaatccc ctttggttt ttg 173

<210> 321
<211> 420
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 39, 44, 49, 54, 55, 59, 66, 67, 72, 76, 77, 85, 86, 90,
91, 93, 96, 100, 106, 107, 126
<223> n = A,T,C or G

<400> 321
agatgccgct ggagctgaac actcctcnca cactgatana tgangacgnc gtgnhtgang 60
aggacnntca tnatgnntat gtaannatan nantntatn tatacnnaac atgccgtatc 120
tgatangaga atctataaca cctccatcat gacaaagaaa tggatgaaga gtcctcagaa 180
ctgcaggaag gatttggtga gactgtgagc acattcctct tctccaaacc tctcctggaa 240
tgtcctagaa ggcccaggaa ttcccccaaa gcaactggtt ttcctatggt caaacgtcag 300
caacctccac caaacatgat ggaggaaaagc gtgaatgttg tcactatgac ggaagtccag 360
ctttagtccc agttaacaaa tattggcaat aaatcaaaaac aggaaaaaac ctaaaaaaaa 420

<210> 322
<211> 207
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 37, 40, 42, 60, 85, 91, 110, 118, 128, 141, 185
<223> n = A,T,C or G

<400> 322
acattggatc tcctacaatg atgaccatgc tgccanntgn tncgtgctga gagcgggctn 60
agtgcataaa aggaccagt actgncacat ntgcacctc cctgccccgn ctgtcagnca 120
gtccgttnca tgggaatggg nccctggggg tgggtgcact cctaaccaga atggcctcag 180
acaancctgg cttctttttac ccgcttg 207

<210> 323
<211> 305
<212> DNA
<213> Mus musculus

<400> 323
aggagataat ttaacccttg aaaacagaca ctgtgccaaa tccacagccc aatagcggga 60
ccgccccctc cacagaagag gtccagccag aggtccttg ggagccaccg gaggagcctc 120
ctgaactgaa gagaccagg cttgaggaac gtgaaggaga tgcccaaaac ctggccccctg 180
atgactcttc caagactgtc tgagcctgct atgcacctgc gtgcagagga ggcaaggcca 240
aagctcgaag gctgggtgat gtggccaaat aaacactcat gaattggttc acatagaaaa 300
aaaaa 305

<210> 324

- REPLACEMENT COPY -

<211> 128
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 62, 110
<223> n = A,T,C or G

<400> 324
tccccctctcc tggcctgtgc tccctgcagc gtganctgct ccatcctttt caacgagcga 60
tncccatata atgacaagac attcctcaac ctcatggacc ttttaaatan aaattttttac 120
caactgaa 128

<210> 325
<211> 165
<212> DNA
<213> Mus musculus

<400> 325
ttaagatttc ccagggccag tgagatggct gaacggccag aagagcttgc tgccaggcct 60
ggccacctga gtttgatata tgcaactcac atcgtggaac aagaggatca acctgtgagt 120
ggtcttctgg ctccacgtgg gcatgcacca atacaaataa aaaaa 165

<210> 326
<211> 256
<212> DNA
<213> Mus musculus

<400> 326
gatccccaga gtaacagctt gtccttcctc aaggctcttt gcttaggaag aaagcaaaga 60
atagaacctg caagatggcg tattcccttc caatcctggc ggcttgagtt tgatcccaag 120
atccacacgg tagagggata gaactgactc ctgcatgttg gcctctgacg tccatacata 180
ttccttagca tgtgtgtatc tctcctctct cgaaaaataa taagaaaatg caataaaata 240
gagaaaagaga gagaga 256

<210> 327
<211> 279
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 32, 37, 42, 53, 55, 56, 58, 70, 71, 75, 77, 80, 82, 93,
108, 139, 148, 177, 178, 192, 206, 211, 227
<223> n = A,T,C or G

<400> 327
accacggaag cactgaagca ctncacttga anatagnctc anacccatgc canannngct 60
tgaagcatcn nttcngnggn anactcagct ggnggggtgac aggatgcnac taccagccc 120
tggctggggc cgtctctant gcggtcangg atctattggc tagaagagtg atgactnnat 180
ctacaggaca antctagcaa cactgnctaa natattctac tgaattncaa agtgctctga 240
aatttttaaat aaaactttga taatcctcaa aaaaaaaaaa 279

<210> 328
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 34, 37, 54, 82, 125, 185, 203, 287

<223> n = A,T,C or G

<400> 328

```

ggcagccctg aagctgttga agacagtgtc gcanctncgc cttgggagtt tggnttgcca 60
gactgctctg ctcttccacc tnaacagccc aggggccagc tgtggaccct ggcacatgtc 120
atganagggg cagttttgct aagcctatgt ctacaacagt tatttggggg tgtggtcacc 180
actgncacat tcactgtgat gangcactgt agccagctag cacccaagag ccctgcaggc 240
tacacattac agcttccctg ccaactctga actgttgggc aagctgntcc caggtaccct 300
agccggcgtg ctggccgaca gcctaggccc acatctctgc ttgtctgtct tccttgctact 360
ctcagccctg cctgttcttg atctccgctt ggcacccagt aacctgacct gagctggatg 420
ttgggttagg ctgtctataa agccaataaa gctatgtatg gcctggatgt ctgggacaca 480
ggaaatgcag ct                                     492

```

<210> 329

<211> 178

<212> DNA

<213> Mus musculus

<400> 329

```

gcttaatgag gagctccacc ggcgctcttc agtggttaggt aaaacagcaa ttattacact 60
ttgtgtgtga attttcatct ttgtgctttc taggtgatat gctgagttaa tgtttctgtt 120
acttgaaca gtccagtacc cttcagaata aataaaactt acttatgtga taaaactt 178

```

<210> 330

<211> 107

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 45

<223> n = A,T,C or G

<400> 330

```

gagacctatg agcgcgtaag caagaggctg gcttgagcta ccannngctgg gcttggaggg 60
gctacgaccc accaataaaa gtgtttcatg gatcaccaaa aaaaaaa 107

```

<210> 331

<211> 415

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 356

<223> n = A,T,C or G

<400> 331

```

ggttttacct gctgccactc agagcaatga cccggatgcc atccaggaca tacctggctt 60
cctgattcta cttggagttg gacatctgac actaaccagt tgcactggac aagaccctct 120
ctcagagaac tcaaaacata cctcgggacg tcattcattc attcaatcat gccttctgta 180
atacggctat cagaagaagg aaaatgaaga caagaaaaaac aactgtgatg tgggcagcag 240
gtacctgggg gtggagggtc ttattgcctc tccaggggtg ctgcctgaga caaagatcct 300
cagtcaaggc acagaccttt gaaatacagc tagaaaagtg ttctgaattg ggctgncttt 360
tttaaaaaga caaattacaa cgtcaataaa ggaaataagt ggttaaaaaa aaaaa 415

```

<210> 332

<211> 413

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<400> 332
gagagtagca ccgtcctggt caggactcct gcctcagtag ctccagactt catgttggga 60
agatatactg ggcacctgga ttccacagat tggaaatata agtctgacaa cactcaagag 120
caggagtgtg gttatttctg ctgagccttg caaaagtaaa catactacct tcaacttaga 180
ctccttggtt agtggactat gaaaagccac atgtacaaac cattactatc catgtgacat 240
ctcaagatct cttgctggac atatatgaaa tcctctagga ttctacgtac ccaggtacaa 300
tgtcagttct cttgagctgt gcttctctaa gctgcagagc catgttagtt gccatggata 360
cactgcgata tctgctctag gactaatttc acacagacca agatgccagc tga 413

<210> 333
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 41, 46, 51, 61, 64, 74, 85, 86, 89, 91
<223> n = A,T,C or G

<400> 333
cctcgcacac tctcattata gcagatcccg atactagaat ngcctnaaaa ngcacaaaat 60
nganatggcc aatngacagg ataanncana nggaactggg tcatatgatc aactgggcaa 120
agagagtggc aggttaaggat gctaaactca acttctatgt taagagttaa taactttcaa 180
cagtcagctg tgggtactgt gggggaaaagt agtagtgtgc tatgggatta gggagatgg 239

<210> 334
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 20, 78, 88, 98, 347
<223> n = A,T,C or G

<400> 334
ctctttgtgt tcaagtctn tctgcgccac ccaccggaga atgggaagcc gaacatactg 60
aactggtacg taacacantt ccaccgcnct cacattgnaa tccaaatgct gaagaacggg 120
aaaaaaattc cttaaagtaga gatgtcagat atgtccttca gcaaggactg gtctttctat 180
atcctgggtc aactgaatt cacccccact gagactgata catacgctg cagagttaag 240
catgacagta tggccgagcc caagaccgtc tactgggatc gagacatgtg atcaagcatc 300
atgatgctct gaagattcat ttgaacctgc ttaattacaa atccagnttc taatatgcta 360
tacaatttat gcacgcagaa agaaatagca atgtacacat caccttcttt atatcttact 420
tt 422

<210> 335
<211> 311
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28
<223> n = A,T,C or G

<400> 335
ctaagggtgt ggtggcaga gagaatgnca ctcgataacc tccctccctc tcctggaagt 60
ggtgaccaga cattgccgga tcatgcgcct ttctaagcct gtccatagctt gccagccaca 120
gagtacagaa gcacacgctc atcatcacag ctgcaactct gcatgacaga gccaccagcc 180
agagacagtg aagagctggg tttgaagaca gtcataccca tgttcatgca gatgtggctg 240
ccttggtcatg aattagagaa cagtcttgta cataaatgtt ttacactaaa gttcgtatag 300

- REPLACEMENT COPY -

gaagcagaaa a

311

<210> 336

<211> 140

<212> DNA

<213> Mus musculus

<400> 336

gtcgtattac	caggacatgt	atgtggccaa	gcaaaacaga	atcttcaaca	gaagagatgt	60
gtgagaatac	aaatatatttc	aaaatatgtt	caaaaacagt	tgaaataaat	tctacaatgt	120
caggacgatt	aaaaaaaaaa					140

<210> 337

<211> 406

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 33, 36, 42, 139, 314, 382

<223> n = A,T,C or G

<400> 337

ttgcaccaca	tttatgatct	gatgncgaac	acngantatc	ancgggtcatc	accatcatgt	60
ctataatcct	gtggtacgta	agtgaacac	gcctgaactg	taccactct	caggactctt	120
gtctacagac	acgcttcana	ccaaagctga	aacctctgtc	atcgagata	caaggattct	180
cccttgatgt	ggatggcagc	cacggagacg	taacagtgtt	taattaatgg	aaacccagaa	240
aaggaggaaa	tgatcatgga	ggctgtttga	gatctaggga	tcccacaagg	gaatcccaca	300
ggtcttgctt	tagntgtcct	gtcccttgct	ccttccctca	gtagattatc	tgtggtaaat	360
agccaggaag	aaactgacaa	gnaattctac	tgtgctcgtg	gagaca		406

<210> 338

<211> 387

<212> DNA

<213> Mus musculus

<400> 338

ggcaatggac	tccaggaagc	tgctgctcca	cgcgccatca	tgtcgccctc	tgtgcatccg	60
tcctcatccc	aggcctgctc	ctccacctgg	ctcagcgagg	cagagatgat	cgcccttgct	120
ggtctgctgc	agatgagcca	gggagagcag	acacccaact	gcgtggcaag	ctctctgcct	180
tccaccagct	gcccagaccc	tgtctctgtc	tctgaagacc	cagggtccag	tggtgaccag	240
agctgttctg	ggactgacac	atgaaccaca	tagtacccca	ataaccacag	tccatagtgt	300
accctgcccc	ccactcctcc	acgggtgctt	tcttctcccc	caagctggtt	tgttgacaat	360
aaatcagagt	ttgcaaacca	aaaaaaa				387

<210> 339

<211> 444

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 37, 65, 70, 74, 75, 78, 88, 90, 91, 134, 261, 402

<223> n = A,T,C or G

<400> 339

ggatctcaca	gttctcagga	cagtgggtga	cccgtcnagt	gttattaact	catttcacag	60
agganggaan	gaanncanga	cttaaganan	naagaggagg	cccaagggtca	gggggcagac	120
ctaggagaca	gaanatgttc	aacccagccc	taggggttcaa	aggtgtgggc	gatggaacag	180
aagtaatcgg	catcatcctc	cgggagcacg	gggctgatgg	tgaggatata	ggcgttggtg	240
gctgcatcca	cggtagctga	naatctgtcg	gggatgtcag	cgggcccata	gtgttcctct	300

- REPLACEMENT COPY -

tctgcgtaat agtagagaag atgggggagca cttcctggct gctgctggta ccacgacacc 360
ccaatatctc cagcgggtggc atgctgggaa ttgatgggtgc anctgagatg agcgtcttgg 420
cctgggaaga ctgagaacgc gtta 444

<210> 340
<211> 101
<212> DNA
<213> Mus musculus

<400> 340
gaacctgtct ctctcctggc tatgagacgg aaatgtagaa ttctacacat ctacgggtgta 60
ccaataaaat gcttatgtcc atttccacca taaaaaaaaa a 101

<210> 341
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 18, 36, 43, 55, 56, 60
<223> n = A,T,C or G

<400> 341
gaaaagaaat gtaaancnaa gccatacatc aggctnctgg tangaagatg gcacnngcan 60
taagctgacg gtgatctgta ggaatcatct tgtggcaagg gcactagggc tgagtcctag 120
tgagtgggtcc tccatcctcg agcatgccag gggggccggg agagtggcct tgcagtttac 180
agggctagga ggccaaacag agtctgcaag caaaacccat gagcccttga ccctgctcct 240
ccggacactt tgtaccagcc cctttgtcct ccgacccggt aagctttctt ttgcacttga 300
aaggagaccc actgatattt tcccacgaga accgtcccgg ctgcagcagt tccagtgtgg 360
agagctccct ctgctgacca gagtg 385

<210> 342
<211> 140
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 24, 25, 26, 44, 45, 46, 57
<223> n = A,T,C or G

<400> 342
atacttgtat tatcatattc nttnnnttat actgggaact gccnnnaaag ggatgtncctt 60
tatgtgacaa acttccagca aacttgtatt ttcataattcc ttatatattca ctgggaactg 120
ccaataaaat ttgtacttca 140

<210> 343
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 29, 30, 60, 104, 111, 121, 173, 174, 218, 250, 345, 354,
381, 396, 408, 416, 418
<223> n = A,T,C or G

<400> 343
cccgttactt ttggaccatc atcccancnn gaaggatgga tggatccgtc ttgcctgaan 60
cttgacgcct cacagagtct acaggtcaga atatgagtag aaanaggctg ngtgtgaaaag 120

- REPLACEMENT COPY -

nataacaaca	taaaaacaga	attctaggcc	tttagggcca	ggcttggaaa	tgnngccttt	180
gtaaagggtat	gctaatacata	aaacagatag	caacattnct	ccaccacacc	gcttcctggg	240
ttcaagagn	gctcattcaa	agaaagtcac	ccagaacctg	caatgcaaat	gtgctattgt	300
tagggactct	taaaagctgt	cttgagagtt	aacaattacc	aggtnattcc	ttgngactct	360
tgtaacttta	cacttccttg	ngactcttaa	ctggtnatct	ttgggtatntt	ccaacntngc	420
cctttccact	tccttaaac					439

<210> 344
 <211> 299
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 111
 <223> n = A,T,C or G

<400> 344						
ggttccagag	acaccacac	tgagcatgga	ggcctcccga	gatgaagagg	aaactgaact	60
ttaccggcgc	ttaggtggcc	gcagtggaga	ggcagagggtg	tgagttgctg	nctgggggct	120
cccagggctc	ctgcccacac	cctgacttct	tctaagggtca	ctcaccgtcg	tcgtctgacc	180
ccatcaggtt	ctgctgtcgg	aggcgggtgac	tgtcagtgag	gaacagaaca	ggagagaaga	240
aaatgagtg	caaaggacag	cccagagtca	ataaataaac	agttagtaaa	taaaaaaaaa	299

<210> 345
 <211> 229
 <212> DNA
 <213> Mus musculus

<400> 345						
agctctctaa	ctgatgggga	gttatggctc	ttctggacac	agcatccact	actggaatgc	60
agaatggcca	gcatcagcag	gaaactgatt	gtcctggccc	tgaaaccca	tcacccatct	120
atcaagaatt	aagtgttggt	ctgggggtat	caggcacgtg	atagaacact	tgctctgcat	180
gtgtggggcc	ctgaaagtaa	agtgcagtga	taatgcttaa	aaaaaaaaa		229

<210> 346
 <211> 301
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 260
 <223> n = A,T,C or G

<400> 346						
ataaaaactaa	agctaattggc	tttatgtgat	ttacccaagg	tgaaattggt	tgttgaaaca	60
cgggtccaaga	atggagtcac	atgaggagaa	ttctgagtgc	ttacttgtga	gaaaactcca	120
agaaaacggg	acaagagtct	tgtgacctca	ttttcttcaa	aaacacaaaa	ttgttcttgg	180
aatgtgtttt	catgctcttc	caagtgtagt	agataagagt	gagttttatt	aataaataac	240
aactggctat	tgttatttgn	ttatatgcct	ctatgaaata	aacgtttttg	ttgtgtgcaa	300
a						301

<210> 347
 <211> 148
 <212> DNA
 <213> Mus musculus

<400> 347						
cagcttattc	tgtgcgggtg	cagcatttgg	gtgtttctac	tattgaatcg	ttgggaagtg	60
tgacttcaag	gaaccttaac	ttttttatat	tgttaaattt	cctgaccaa	taaaaacaag	120

- REPLACEMENT COPY -

ttggcacttt ggtacctaaa aaaaaaaaaa 148

<210> 348
<211> 202
<212> DNA
<213> Mus musculus

<400> 348
ttaaagggtc ccgggcacaa gagaaaaaag agagagagag aggagagaga gagaaagaaa 60
aaagccactg ggcgattgaa atgggtcgcat tgagatgcgt ggagccggct gcagcgcgcg 120
gactcactca aggggtcaag tgacggacgg attgttcgct ccttcataat aatattaatt 180
aaacaatttg catgctaaaa aa 202

<210> 349
<211> 278
<212> DNA
<213> Mus musculus

<400> 349
aggagcgag accctgaggt ctatgaaggt tgggacctgc ggacacgaag tagcataccc 60
tttggagaac cagggtaggg ttactctcca gatcagcaga aggcctagag aggggaagggc 120
tagctttctt taatggcaac ttgaaatcca gcccatcttt gatactgact atggaattaa 180
ccacctttct ccataaaatt ctctagtctt ccttggaaac cctgcaaaac ctatgagtga 240
aacataaaat aaactcctcc tcccttttaa aaaaaaaaaa 278

<210> 350
<211> 242
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 18
<223> n = A,T,C or G

<400> 350
aggccctcta cagtancnac tcctgaacag atcaagtttc aggaaggctg acctctgaca 60
aggctaagag ccacaccag aagaccagca cccacacctc agctgcctgt gcctttctgg 120
agttatagct gccccgagtc gaagtccatg gagatgagcc ccctgtctgt ctgcactgat 180
ggattctaaa ttttggtttt gtttggtttt aatttaaagt gagttttata tacaaaaaaa 240
aa 242

<210> 351
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 47, 52, 88, 324, 330, 335, 336, 337, 347, 369
<223> n = A,T,C or G

<400> 351
tcgcctgccg cccaccgcga ccctatttgn gcttgaggtg atggacntga anacaccgga 60
ccggcgactc ctcactctgg gactctgnta ttcggctgtc tccgagctgc tcccgacact 120
cctgggggtg gcgcaggaga ctcccgtcga gaacaagaac aagtgagtct gcttggtgac 180
tgccctgtgc catgggcact ggctttacac cccaacggcg tgcacacgag tgtgccctct 240
gcacaccaag ctctgtggac acgagtgcag ctctgtctt gcctgatgag gtatctgaca 300
accagtgcc ctatcgctgt cganaacctn gaacnnnttt ccattcngga aagtgggtca 360
gccatccanc aacagttcca gcacgccttc ccacggc 397

- REPLACEMENT COPY -

<210> 352
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 352
 tcctgtttcc ccgtggcatc aaatcacatt ctgcctgctg ataggactct tgtttgcaat 60
 agacacagtg ctgtatttct ctgtgcggag gggctctcaa agtcctgtgg ctgactatga 120
 ggaacccaag attcaatgga gcaaggaacc tcaggacaag tgagctctta tcgcatgcga 180
 tgataagagc aatgggtgtag aacccatgag cctccctggg agcttgcaac ctcaccagct 240
 gcattggtca ccatgctttg agcagcagaa ataatacaaa ggccccctcc ccaactgaaa 300
 aaag 304

<210> 353
 <211> 311
 <212> DNA
 <213> Mus musculus

<400> 353
 aggagagaag agtgctcgct ggcagatggg actccctgcg gcagtagttc cagccagaaa 60
 gtgccaatca tttattagaa gggtcggggc aggaactaga actaaatttg cttctcagtc 120
 ccaaacctga gggagagact cttcaggata gagacatcaa ggaatagacc ttcaaaacta 180
 ggaccgggtt tcattctctca ggaggaatgg gaccactgag caagaagagg caacagcctt 240
 ccctgtgaca gcttggtcct ctcgctttga tcactttggg tgagtgcctg ccaaaagaag 300
 atgtttgtca t 311

<210> 354
 <211> 361
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 28, 38
 <223> n = A,T,C or G

<400> 354
 gtaacgcttg ccacagtgca gaagttnntt caacctgnca ggcagaggaa gccttttgat 60
 gacgcaaaat gtgttgagtc agcaaagaag attttcagtt aattcaggca actataagta 120
 catagccccc acaaagccaa ctttctaaaa ttttgcatca cattgaagtg ttttgactaa 180
 gtgttgaccc tacttagaaa gctaacaagt tttctaaggc gtctgtgtca attcaggtag 240
 acatgactga cgaggaacgg ccggatgctc tctagttgta gttaaaattg aaatcatgat 300
 cacttcctcg gatattttct tactgttcaa taaaacaaaa caagcttctt aaaaaaaaaa 360
 a 361

<210> 355
 <211> 293
 <212> DNA
 <213> Mus musculus

<400> 355
 ggggcaggaa attgacagaa cgtttgccctt agcacaatct gctgtatgaa acacgaacgt 60
 ggaaagcagt gcctgtaaac ccagaactca ggagagtcag aggttcaagg tcattctcag 120
 ctacacagtg agtctggggc cggcctgagc aacatgagaa ctgttttctt ttctatatgt 180
 tcacaccaag cttctatgcg cccttggggc ctccgcctta gctacatcaa gctgtgacgc 240
 actcaaagga accgttatcc tatcaatccc taccatgctc aataaaaaaa taa 293

<210> 356
 <211> 364
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

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<400> 356
ggatgattct gacagctaac tagctttctg tgacgggtgga gccggggagg aggccggtag 60
ctatcttctg tcatgctgaa aaactgggat ggtgccttct tcaactactt ggtttgcac 120
aagatccaca gagacctctg aactcttcca gaagctcttt ctgaagggtg cccctccacg 180
tgttaggtct tcctcctggg cgctgcctg agcgtgctcc tgcacaggt ggggtgggac 240
gctgaccgct ggggctgact tccactgac tcgacttaga atctgtgctt gggatgattg 300
ggtgttggga catgtgttca aatgtggcaa agcaaaggcc aaagaagaaa gagattatta 360
taaa
364

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<210> 357
<211> 641
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 26, 114, 116, 129, 152, 294, 378, 381, 384, 386, 397, 403,
406, 419, 422, 436, 444, 449, 450, 460, 470, 472, 473, 486,
500, 501, 502, 510, 511, 513, 518, 520, 522, 528, 529, 532,
534, 537, 541, 543, 547, 548, 555, 557, 559, 572, 586
<223> n = A,T,C or G

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<221> misc_feature
<222> 589, 591, 597, 609, 622
<223> n = A,T,C or G

```

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<400> 357
ccgatttata cactaacatc ttccanattc tgaaacctga tgccatcaca tactttgggc 60
tgagaaaaaga aaatcaaaca tttgtttgat gcagcctccc tccctcagcc ttcnancagg 120
ctgatccana ctttgacctt gctgccgcta anaagcgatt acctagggtg gagccttctg 180
accttgatgg ctctatttgc tcttctcctt gactctgctt ccagctgaaa ggtccctgac 240
acagtccaaa gacacaccct gtagatcgcc taagggtctg ctccaggtag caanaaatgg 300
gttggcaggg gatgggcctt ccccttata agcacactct cttaataaac tcgggggcct 360
tgaaccgaac aaataatnct naanantttt tccccanttt ttnatnatnt cccttccent 420
tncccccttt tctctnttgt tcnnttctnn tcttctctcn ctcttctccn tnnctcccc 480
ttcttnttgc tccccctttn nntatttttn ntncatcn cnntttcnnt tntntcnctc 540
nncctanncg ccccntntnt cttaatcttt cnctcacccc atttntntnt ncatctngtt 600
ttccgcacnt ttccctaggt tnaccagttt ttctctgtac g 641

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```

<210> 358
<211> 280
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 35, 41, 53, 65, 81, 85, 230
<223> n = A,T,C or G

```

```

<400> 358
gggtagtaaa aaggcagaga ctgctggcag gaggncttgg naagagagac ctnaagaggg 60
agatntggcc taccacaatt ngganaggaa gagagatcac tttacgccat gatcatatca 120
tccacctcat aagtatccat aaaactcttc tacagtccac agtgcagAAC tccctggacg 180
acttctctgc ttggggcagc cgactgccat ccaactttgg agtatctgcn ttgcttagct 240
ttgctaaata aatttctgct tatattgaat ataaaaaaaa 280

```

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<210> 359
<211> 265
<212> DNA
<213> Mus musculus

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- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 129, 131, 134, 148, 149, 155, 168, 178, 185, 196, 197, 199,
210, 222, 223, 249
<223> n = A,T,C or G

<400> 359
ggtatgggaa gagagccgag gaggagaaca cagggtggact tcctggagtg cagctctccc 60
cctgcaccag cccccagtt ggcttgattc cctgctctgc gccctggagc tgaaggcagg 120
gagctctgnc naanggactt gcagcctnnc ttgtnttcag cccgtggntg aaagaaanta 180
caggnccagc tctttntnt gcaggcttgn aacaacctgc tnncttgcaa actaaataaa 240
gcaaattana atcataaaaa aaaaaa 265

<210> 360
<211> 349
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 272, 274, 280, 284, 286, 289, 291, 293, 295, 298, 301, 306,
313, 315, 321, 327
<223> n = A,T,C or G

<400> 360
atgaggaagc ctgaacgtca acactctgcg cggagacttc ggctctgcag ccttccttcc 60
acgggtggtg gcatcttgcc aatttgacag accaagaaag aagcccagct gctctcagag 120
gacccgaact tcaattttta acccacctcc tctcattgtg tccggccttc tgggcttaca 180
gcatttcaat aggagcgggg tgggggtggg tggggtagct ctccaatggc tgaccgcact 240
cttaagagat gatttaattt ccttatcctt gntntctcan aacngngtnt ncntnagnta 300
nagggntcaa cancnttgcg nactttnaag ctgaataaaa ccccttttc 349

<210> 361
<211> 273
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 120
<223> n = A,T,C or G

<400> 361
acacatcttg atttcctggt aaacaaactg agaggcacgg tggagcactt ggtgcgccgg 60
taaccgagag agctcacgtg accacaccgc gccagcatgc aaacatggtc cttatgtcgn 120
cagagaaaaat ggtgaatgga attcctgcc aacagacgta tgtcaagaca aaactattat 180
ttcaactatt tcaaaagtgt atgcacgact gtgttaggtc ccacaacagt tcacatttaa 240
acaaataaaa cgttgaagag aaacagaaaa aaa 273

<210> 362
<211> 238
<212> DNA
<213> Mus musculus

<400> 362
gtgggccc caattccagt gcagcgaagc cggaggccca gccaggaaca ggtggaccag 60
ttgcacgagt tatatgtaga gcatctcaca cggctgtttg aagaacacaa gatgcactac 120
gggatccctg ctcatcaaca ccttgctctg atgtccatgt ccctgtgtcc tggccttcct 180
gaaaaactgc aggggtgggat tggggacatg attaaagggtg gaagcagaca aaaaaaaaa 238

<210> 363

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- REPLACEMENT COPY -

<211> 184
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 58, 63, 67, 92, 111, 115, 128, 130, 142, 143, 159, 162
 <223> n = A,T,C or G

<400> 363
 ggacgcgttc tgcctccac gcctgggggt gggggctatg gagacccgga ggacccanca 60
 ccnccancag gctcgcccc gctatatcca gnetttccag agcgaggcag ngtnatgag 120
 taccgccncn cccaggaagc annatgagtg cccccacant anagatcctt tgagtcgcaa 180
 aaaa 184

<210> 364
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 364
 tgtgacctat gagcgagta agcaatgagg ctggcttgag ctaccaggct gggcttggag 60
 gggctacgac ccaccaataa aagtgtttca tggatcacca aaaaaaaaaa 109

<210> 365
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 365
 gaagataacc ccagtgcca tcacacagag gaaatgacca caatgaattg ttacattatg 60
 cctgggtcttt ctccaagag accatcagct ccggggtagt aaactagggt ctctccatta 120
 ataaatctga tgatgcatg ctgtaaaaaa aaaaa 155

<210> 366
 <211> 287
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 37, 47, 50, 113
 <223> n = A,T,C or G

<400> 366
 gacaaaaaag aagacctgac gtcacacctga gcaccncgc catgcanagn gtgttcgcag 60
 actgccaacg ggctggctcc ggccagcaga agtgaacaga ggtggagggt cancctgaca 120
 gcttctcccc aaagccatgg agagaaaacc ttaccacccc caccgcccag ctacttccag 180
 caagttgtcc agcctgaccc ctctatttcc cctgttgtct cttatctggg tccctgagac 240
 ccaccccatc tccaataaag aacattgcat actgtgaaaa aaaaaaa 287

<210> 367
 <211> 114
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 76, 88
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 367
catatgcctt gcacccctgac cccacgttct catggatgga ggtcccatat cacaggagct 60
tctttccctt tgctcngatc tccaattnaa gcctttggga cttgaggatg gaga      114

<210> 368
<211> 299
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 35, 37, 41, 44, 45, 48, 52, 54, 58, 66, 81, 90, 92, 95,
98, 99, 107, 109, 111, 119, 120, 124, 144, 164, 167
<223> n = A,T,C or G

<400> 368
gacgtgagct gtcaacgctg agcttccagc tgcnnncgcc nttnnagntc gngncccntg 60
acatcntgga ccctaaccct ntgaaaccgn anccncanna taaactntnt nttcttctnn 120
tganggaagg aaaacatgaa ccanggtggc tttaccaacc acangtnttt gtgacatcat 180
aaagttagaa taattgggat aaagctttta tcattatcaa ttggttctga aattactgta 240
ttggcatctt gtaaattgag actttattga tacataaatc tgattgggta attataaaa 299

<210> 369
<211> 408
<212> DNA
<213> Mus musculus

<400> 369
ccgaagtccc agcttgaatc gaaagaaaaat cagaagtttg atgtctttaa agccatatcc 60
ttcaagagac agatagtggc tggcaccaac ctcttcatca aggttgatgt tgggtggagat 120
aaatgcgtgc acttgagggt gtttcaaccc ctcccccatg aaaacaagcc tttgaccctg 180
tcttcctatc agaccaacaa agaaaggcac gatgagctct cctacttctg attcggggct 240
cctttgcacc tgtgtttggg accacgtagt aaaacccccc tcggtgatgg agagaaggga 300
gttgagcagc ttctgtttgtg attctcaaac tgcgttgtat tttgcatcct tccaaataat 360
tattttcaga aaactgtata tgatctctct aaatatatat tttttaga      408

<210> 370
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 67
<223> n = A,T,C or G

<400> 370
gccttttcat ccctctgcta acctgaccta ggactgggct gcctcctgca tccacagcaa 60
acacagnag agggctgatt ccatgacagg cttcaaatga acagttaagg agactagacc 120
taaaaataca ggcttggtt tgagcagcca gtcagaaact gccctatcac ctggcctgaa 180
gcaaggacaa tgggtcagca gtttccctgct ggccccccacg cccagtaac ggaatgtcct 240
ttgtgataga gtaagacaaa gccaacctac ctcgggattc ccctaaggag ctttaaattg 300
aacctgtgaa cttcagagtc tctctatctt ggtaatggga gaccccagca tgctggactt 360
ctgcagaata atcactctgc a                                381

<210> 371
<211> 188
<212> DNA
<213> Mus musculus

<400> 371

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- REPLACEMENT COPY -

gattgaagag gaagccaggc agaagaagat gtagatgcac tggcccaggt ggatccacaa 60
 cccccgagta taacattgac cctgaggctt gtgacctgtt atggctctgt aattgtgtaa 120
 gcttgagcgt ttttataccc agcagcgtag atttcataat aaagtagttt gttgtggaaa 180
 aaaaaaaaa 188

<210> 372
 <211> 303
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 250
 <223> n = A,T,C or G

<400> 372
 aggacacgat gtggagcggc tggagcgcac gcaggagcag ttaaagaagg ctaccgccat 60
 gctaggggag gctctcgga gggaaggctg accccacgcc actccttccc cacactccct 120
 gaggctcagg actggtgacc tcagagcctc ctttcaccgg gcattctgct ccacttccaa 180
 ctggtagggg ctggaagcaa ggatgtgcct gagaaccaag cctgagagaa gcctatgggc 240
 aggggctggg ctccggctga ctcaggaccc cgccccaccc ctccatccct gagtgaataa 300
 agc 303

<210> 373
 <211> 106
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 26, 50, 65
 <223> n = A,T,C or G

<400> 373
 tatttacttt acaatgatgt tagncncccc ccatacttga gtaataaaan tggcggggttt 60
 ggaancgtgc tgtatacata aatgaataaa taaatcttta aaaaag 106

<210> 374
 <211> 335
 <212> DNA
 <213> Mus musculus

<400> 374
 aggacctcaa ccaactgaag agttgacccc gccagtctgc gtctctctgt cttcacttga 60
 atgtctttga gaatatgtaa aaaggagcca catgcacctc cacgcagtgt gcaggacgag 120
 aacttccgtc attgtatata ggccctctgcc ccgtctcccc ttaaggttat ccactgtgct 180
 tgatgagtga gcagtcaata catctgctgc ccgtcggcat tctggggtta taaaactata 240
 ggaattatct cacaaacaaa ctatggaaaag cagtattaaa atctgagttc tgtatctact 300
 ttaataaatg ttttgggtct ctttgaaaaa aaaaa 335

<210> 375
 <211> 141
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 38, 41, 43, 45, 48, 49, 67, 69, 75, 99, 106, 117
 <223> n = A,T,C or G

<400> 375

- REPLACEMENT COPY -

tgtgggtgcc ctaaggcttg gaattcngtg gtggaagntg ntncncanng cgacagtcca 60
 tgccctntnc ctcgnagggc tctttgtcat caccgagcgt ggaccnagga agtgacnccc 120
 gtgctacggg actatgatgg a 141

<210> 376
 <211> 433
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 68
 <223> n = A,T,C or G

<400> 376
 gggaatcaac agcaaaggat tggtagagctg cagaaattct catggattgt tgtcttctca 60
 cacagcanaa gacgtcaggg acccctttca ttctgggtatt ctactgcag ataggctctg 120
 tgggaataaca gttcttccca cccccctgcg tatttttaaa atgttttggt acctcttctg 180
 gccatgatag tgtctagtga tgccctctcc cattctcaca gatgatgccg ttccctctct 240
 agtactttca agatggctct ctgtgtctgg ttttcagaag tttcaccatg tgtcttggtg 300
 tggattcttt aggtttatct tatgtctgtt cagcttctct aatctgaaga agtcaagggt 360
 tatgtctctt gacaaattca gaacattttc acatgaccaa cattattatt attaaatggt 420
 ttctctgtgt aaa 433

<210> 377
 <211> 202
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 79, 83, 106, 183
 <223> n = A,T,C or G

<400> 377
 gtgagaagag actaggtgtg acttaagaga gaatgcattn ttaacaagtt cttttcttct 60
 cggctaaaga agtcccggt atncttcacc atggagctca cgcattagct tctgcagaaa 120
 gacttcccaa atgtcaccaa gcagcgtcct cactcttgag agcaggatta ataaattatt 180
 tgnnttacct gaaaaaaaaa aa 202

<210> 378
 <211> 255
 <212> DNA
 <213> Mus musculus

<400> 378
 gagatgtctt ctttggacca aagatctcct ttgtgatccc ctgcaacaac cactgaggat 60
 ctgccttgca ctctggagaa catggtcctg aaggccttca cgtcccctaa tttcccacaa 120
 actctgtcag ttcagcgcca tttctgatat ccatccagta tatccaatct tgcataagatt 180
 ctataaagtc ttacttgcta gagtatactt gggctaaagt ggtaataaaa gttgtttcca 240
 tttgaaaaaa aaaaa 255

<210> 379
 <211> 120
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 97
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 379
aactgtgcgt atcacaactg agtnatctcc cctggcagcg gacatcttga cctgcctccg 60
gagctttgct ttgtcttccg taggtcaagg cggtggntct ctctctctct ttttttttaa 120

<210> 380
<211> 259
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 35, 38, 62, 67, 69, 71, 90
<223> n = A,T,C or G

<400> 380
agggcctgat agaccttgct gagctgacn cctanatnct gtgatcgatt cgccgaggtt 60
anctganana ngcaaccacc attacagagn gtcttcatac cttttgtaaa agctgcattg 120
tgagacattt ttactatagt aacagatgcc caaaatgcaa catagtgtgc caccagactc 180
agcctcttta taatataagg ttggaccggc agttacaaga catagtatac aaattagtga 240
tcaatctaga aaaaaaaaaa 259

<210> 381
<211> 128
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 31, 34, 41, 60, 64, 66, 78, 84, 86, 90, 110
<223> n = A,T,C or G

<400> 381
ctgcttcaca catttctcca gacctncgtt nctntatggc ncagaccctg tgcgttgctn 60
aggntnctac acggccanaa gtgnanttan ctttccgttt ccagcatctn cccgttcccg 120
tatcttcc 128

<210> 382
<211> 126
<212> DNA
<213> Mus musculus

<400> 382
tgtaatggaa tccgatgtcc tcttctggct tgtctaagag atctacagta aataagtaag 60
taaaaaagaa ggaaagaaag acaagaaaag gagagtgaat gaaagatttt ttaaaaaaag 120
attata 126

<210> 383
<211> 409
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 373
<223> n = A,T,C or G

<400> 383
agcaaattaa agtgctacaa acagaggaaa atcctctcct gccggatgaa aagcctgctc 60
caggctctggt tccagggtccg aaatcccctc cctctgcctc ctctggcaat acgtccttc 120
catcagtcac ggcacccacc attttactcg ttgcttctgc tgtaaacttc atcgagctat 180

- REPLACEMENT COPY -

```

agcttgaaac gctatcttaa tctttatctg aaagactgct atgggggatcc cacaggaagt 240
caagagaaaa aaatgtagtt ttccttggac agacttgact gtataaaaga actgtatatt 300
tgttcctcat tttacaattt aaaaagctgg tccagatagt atcatagaat taacttttca 360
tttctggatt aantttaagg actgcaaaaa tcccaaagct atatacttt 409

```

```

<210> 384
<211> 422
<212> DNA
<213> Mus musculus

```

```

<400> 384
gggtgacacc tctggagact tcatgaaggc tttgcttgct ctgtgtggcg gagaggacta 60
aagctcctga cctcagaggg cccctctctac caagcagtgg ccaactgcac cagctgccgc 120
cgtgacctga ccaagccatt gctccagctt caggatctaa ggaagacgca aggggtgggg 180
ttggactgtc catccagctg gggcactctc tagccattga ggggtcccagg cgggtcccttc 240
tgttatccct cccgctcatg gctaaggggc tggatgaacca cggccatata ctgcattcaa 300
ctctgatccc cttctaccta ctctccgcc cgccctgggt tccatccctc cacataaccc 360
tgctgactt gagctttgtc acatctcaag acataccaaa cctctgtcta tgaaaaaaaa 420
aa 422

```

```

<210> 385
<211> 208
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 23, 47, 52, 57, 66, 68, 103
<223> n = A,T,C or G

```

```

<400> 385
aggacggaag gggaaggagc ctnggagcct cagagcacgc gggccangcc tngaganaac 60
cagatntnag ccggcgacga tacgccagc ttataacacc ctncaccggg cctctcttcc 120
ggctagtcca aaaaagcgac caagctttaa acaagattcc acaaacgaaa cacaatttaa 180
attaaataaa aacacttttc caccgcc 208

```

```

<210> 386
<211> 206
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 40, 46, 54, 96, 115, 137, 149, 178
<223> n = A,T,C or G

```

```

<400> 386
aggcgtgtcc ctatgtagct caggcttgcc tttgacttgn gactgncctg cttntgccac 60
ctgaatcctg catgtgacat cccacgctgt acagtnagga agtctcactt gcttncacac 120
caaacccttt tccattnggg tcaattgang aatctgtggg agtccactga ctacaggnc 180
ggaaaaccgg ggccccgaat gaagga 206

```

```

<210> 387
<211> 222
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 32, 38, 50, 56, 57, 64, 67
<223> n = A,T,C or G

```

- REPLACEMENT COPY -

```
<400> 387
ctatatgtgt accacatgca tgccctgtcc cncctgangc cagcaagaan gtatgnnacc 60
ttantanaat tgaagctaata ggatgggttat gaaccaccaa gtagatgctg gcaactgaac 120
ccaggtcctc ggaaagaaca acacaagctc caaacctccg agccagctct ccagtcggcc 180
caagactcac gggttttaaaa cactgttcat gcgttgccctg ca 222
```

```
<210> 388
<211> 242
<212> DNA
<213> Mus musculus
```

```
<400> 388
aggtctgggc tcccctcagg aaccctaatta gtgtggcgcc aggtggccta caggatgggtg 60
tcttctgacc taggtgaaga tcttccacct tgctacacct gcaatttcct acaggagcag 120
actgcgtgct gagctggctt tgcaacataa tccagctgaa acaaaggata aagctgtgga 180
tttcccccta tataaatgca cagctgaaaa ttaaactttg agccttgatt agaaaaaaaa 240
aa 242
```

```
<210> 389
<211> 146
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 16, 19, 72, 73, 79, 84, 99, 100
<223> n = A,T,C or G
```

```
<400> 389
caaacgggag ccgctntgna ctgactggct gccttccctc tcttccccct cctccccctt 60
ctgcttcaga tnnattgant atangtaagt acacatgtnn cagtatgtag gacacactag 120
acgagggcac cagatctcat tgtggg 146
```

```
<210> 390
<211> 364
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 36, 43, 46, 59, 92, 123, 131, 153, 176, 182, 215
<223> n = A,T,C or G
```

```
<400> 390
cttataacaa gtattaaggg tccagtatcc tcaactnccca cgncangatt tcaactgggnc 60
ttattacaga taatgggagg cacacagga gngcaagaaa atgtaatgct actaggctgc 120
ggnccagaag naccttctgg ttcacgagaa ggnacgtgta tcttgctagc tcctgncaaa 180
gncctcccca acaaacgcac ctggtaaaaag actgnaaggc cgtactcttc atccatttcc 240
acgttcatca gtaagcagca gccgttgagc ttctctgaaa ctcacccggc catcctgggt 300
tctgtctgct tgctggaacc actcattcaa cattccagct ctgagtcaag gcaaaagctc 360
ggtg 364
```

```
<210> 391
<211> 236
<212> DNA
<213> Mus musculus
```

```
<400> 391
ggaagtctga tgagcgaagc gttctgaagt tgggtggcaa actgagagat gtgctcggga 60
ttctcggcat gcttgctttc ccttgccctg ctggccaaga actcttcagc atctgtgagg 120
ggttgaaaaga tctcaagccg tgaagccttt aaaagccaat gtgcagcttg agagtccagg 180
```

- REPLACEMENT COPY -

gcagtgtcta ctgccaaggg ctttagcttt tcaaataatat ttttaaaaga aaaaaa 236

<210> 392
<211> 104
<212> DNA
<213> Mus musculus

<400> 392
gcatcaagat gacctgattt cccacaagcc tgggattgct gtctatgcat gtgtctgtgt 60
atctacacat acacacccat aataaaacta catatatatta ttga 104

<210> 393
<211> 299
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 35, 42, 45, 49, 61, 64, 68, 72, 84, 86, 88, 95, 103,
117, 127, 131, 148, 149, 158, 162, 237, 252, 253, 272
<223> n = A,T,C or G

<400> 393
tacctcaccc gtccttgat gcagnggcga cattngcagg anggnccanc atggctaaga 60
nagnctgnct tncgcctgac ccncnangc tgaanctcac aanacctgcc cttccangag 120
gacattngtt nagaagcctg gccaccgnc atgagcangt gngccaagga tctccatgcg 180
gggccacact ggctctactg tgttcagtga gggaggata tgctgtattt gcagcangga 240
ctcagaacat anntgctgat cacagaggga cncactagag cagggttgta gttataagc 299

<210> 394
<211> 336
<212> DNA
<213> Mus musculus

<400> 394
ggtcctccct ggacacttcc tgctgtgcag ctttctccca ccataggaat cattactctg 60
acttcactgg ctgggatctg gggacacagt gttcacagtc tcattctgaa gtccttggtt 120
tgtcccaatt gtctgttagg atgtggggat ctgcgttggt ccatgagaaa tggcagaggc 180
ttttcctata aaagtagcac acaagacgac agcataatct atgaaatcaa tattctgtcc 240
atgtgagggtt tgtaactttt agtaccactt tgaattaatg atgttcaatg aacagtttaa 300
aactttataa taaattgaat tttaagacaa aaaaaa 336

<210> 395
<211> 228
<212> DNA
<213> Mus musculus

<400> 395
gcactctacc cctggacccc ggattgcatc ataaagcagt gcctgctcct gcttctcttt 60
ctctccctt gctgtgaagg tcctcctggt ggctcccttc cctactctgc atagaagctg 120
catatgaaca gcctcaaccc catagcaatt atggtttctg tagtgcctg cattaaaaat 180
gctatctctc ttcgtcaaca ataaaggggt tttacaaagg aaaaaaaaa 228

<210> 396
<211> 121
<212> DNA
<213> Mus musculus

<400> 396
gacagggttt ctctgtatag ccagcgcttg actgtcccg aattcactgc atagaccaag 60
ctgacctgga actcagagat ctgcctacct gaataaagg gtgagccacc atacttggcc 120

- REPLACEMENT COPY -

a

121

<210> 397
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 35, 48, 49, 51, 66, 67, 81, 111, 118, 122, 127, 131,
141, 142, 163, 170, 178, 196, 201, 203, 227, 237, 239, 242,
250, 258, 265, 304
<223> n = A,T,C or G

<400> 397
aacttttggtc cccatttcacc accgtcatcn cgaanaggaa caagatgnnc ntactatgtc 60
cggagnnact accaccagac ntatacctgt aacaagtaac ccaggacgga ntactgcngg 120
cnctcanggg nacttggaan nntcctgccc catggcccat tanaaaatan tttctctnca 180
cgaaactgtg ccctgnaggc ntncatcaac accatgaatt gaatggnacg gagtggnant 240
gntgaagaan taacatangg ctctntatgg caaagcacac acaccacacg ggacctttac 300
atgnaatctg gttgtttattg gggtttggat ttccaga 337

<210> 398
<211> 146
<212> DNA
<213> Mus musculus

<400> 398
aagagtgcct accgaaggag tgggatggct ttcctggcct gctgagggga ccatggccgt 60
gcctgcccgc acgaagagg agtggttcac cgaggtcatt cttgcctgtc ctgcccggaaa 120
ataaaatagg attttatgtt ctctg 146

<210> 399
<211> 240
<212> DNA
<213> Mus musculus

<400> 399
gggcatactt tgagaagaca cagcagcagc tgacaccctt tgtcagggtca gcaggaacta 60
gtctggtgaa cttcttcagc agtttaataa acctcgagga gaaaccggct cctgcggcta 120
agtgaatgt gccaggccca gtcttccac cccagctgct ccactggcca ccgctagagc 180
ccctctccct accttctgcc tgttttctcc aataaatgcg gaaggagtta aaaaaaaaaa 240

<210> 400
<211> 280
<212> DNA
<213> Mus musculus

<400> 400
agcttctttt aatagtataa agcgaaggag aaagcggcgg tgatgctgtt caggagagca 60
cacacgtgaa gacaaatacg gtgattactc ttttcacggc gatggacacc aggaacaatg 120
cgagcatctg agggcacaag acttcatcac agggcctggc tttctcatcc tgacgcaccc 180
acagcaaggc ctggattatg cctgcttttg atctcactaa tttgctattg ggacagaagt 240
tattcatttg gggtgcaata aagaaattcc aatttgaacg 280

<210> 401
<211> 267
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

```

<400> 401
acctcccagt tcctgaagat ttcctactgt ctagatgctg ccacaccttc ctgccagcca 60
gcccagaggg atgttccatc accttcacag tatttattat cctctgccac ctactgctc 120
ccatacagac atccttacac aaccagcaac gcaacaagga aactgaaaa aatgcctcat 180
tctaataaag tgactttctc cattaccctt acccctctac agacagattt aaaagcagac 240
agaacaaata aacgaacagc aacaaaa                                     267

<210> 402
<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27
<223> n = A,T,C or G

<400> 402
gggaacattt gtgggcagga aagaccngga aagtagtgct ggagaaggag actggagaga 60
aacactgggc ctgtccctgt gatgcacttc tgccagcaag ggcacgccta ccagtccttg 120
aag                                                         123

<210> 403
<211> 315
<212> DNA
<213> Mus musculus

<400> 403
ccctctacac taaagttggg gcgggttttga gacagggtct cgggtagccc aggctaatac 60
agctgaagat gaccttgaac tcctgcttct acttcctgag tgttgggatt tcaagtatgt 120
gctacgatac caagctgaat taggcctcta ccatcacatg caaggacctg aactacatac 180
acagcatcat taaacaatgc agtactttgt tctgaatagt tttagctcta ttataaatgc 240
catgttttac acctgggaga tagcaatatg aagataaggc tcagtaataa agatgctgac 300
agctaaaaaa aaaaaa                                     315

<210> 404
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 42, 46, 47, 48, 49, 55, 59, 73, 76
<223> n = A,T,C or G

<400> 404
actgagaaac agctctgaag cggtttgctg ccnngctagc anaccnnnnc tgggnttgng 60
cgctacctgc cgntgnaatg ctcgggagat tgccacttcc acaactgctt tttgctgcca 120
tccttggaat tgctggagga atgtatatat atcagccaat atttgaacaa tattccagag 180
atcagaagga attaaaagaa aagggtgaagt tggtggaaga atcagaagaa aaggagagcta 240
attctgcata aactgaaatt gtaaaccctg cttaacgttc tattgaaatc acaccgacta 300
ttagtctagt aagactttag gtatgcttta aataaataaa tcatgggtaa tgaaaaaaaaa 360
a                                                         361

<210> 405
<211> 329
<212> DNA
<213> Mus musculus

<400> 405
gactgtgaag aagggtcaaga ggatggctca aggaatgaaa cacctttttc tacaagtga 60

```

- REPLACEMENT COPY -

```
gactctgatt tagaaacgga aacggctcgag cttgggtggag gggttttatgt gaaatcattt 120
ttaaagtatt cagaaaattc tgtcccagcc actcaaagggt tcctgaccta tctgaagtca 180
tggactgggtg ggccctggccc gcaagcgtga acagctgctg aattctgcaa acaaggactt 240
ggctcagtat ttgatagatg ccttgatttc catttcatgt atttaattta atttaataaa 300
atataagcat taataatgtg aaaaaaaaaa                                     329
```

<210> 406
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 37, 41, 43
<223> n = A,T,C or G

```
<400> 406
gctctgggga gctcctgcat taanaaaaaa ctgaagngca ntncgggetta agtcctaaat 60
caatgcgcct gaaaatctcg ttcccaaagc gtgtctgtca gaactgttac tatagcttgc 120
agcatgagag gggggcagaa gatggacctc ggaactgctg agatggaggg actggcgaga 180
gaccacagcc taggaggctc ttcacatcct gccgggactc cagaggcact gaagcagtct 240
ccgtttacac ggctcttcac tgagtgttgg aagtgtctgag tgtaaaggaa tcattggatc 300
acggcttccg aggccagtga ccggcacggg tactgtgcag tgaacagcac aagaggaagt 360
ggctcccagg agcatctcag acctgagtct ccccta                                     396
```

<210> 407
<211> 369
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 288, 304, 308, 311, 351
<223> n = A,T,C or G

```
<400> 407
ggtcttgggt caactgaagc aggcgctatg atgtgttgtt tccatctgag caaatttcct 60
ataaagtatc ttatcagttg tctggagcca tagcaggaag tcacttagat acatgtcatc 120
tgaaacccaa agtttggacg ttctccaaag ggtcatctgg atcgggtgtct ctacttttct 180
ctcagcaatg ctgagggtctc attgctaacc cctgaggata agggatggct agaattcagc 240
gtataacaga acataagaag agctggagga ggcgggtacag acttgtantc ccagcactca 300
ccangctnga ngcaggaagg ggtggcctaa aagttccaga cccaacctga ntttccaggg 360
ggaagacct                                     369
```

<210> 408
<211> 102
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 75, 81
<223> n = A,T,C or G

```
<400> 408
ccctctgatt gccctgtcta ccctttgcat tgctggactt cagatctgac cccataacctg 60
cctgttgctt atgancctca natccaaagt tggccagcat tt                                     102
```

<210> 409
<211> 786
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 619, 694, 703, 728, 729, 733, 738, 748, 750, 751, 752, 755

<223> n = A,T,C or G

<400> 409

```
gtgctgcgtg aaggccctta ccccggcatt cctgggtctgt gtaggatcct cgcctttctg 60
taggaattac ctccagggga agaaggtgca caggtaacat gggagccaga ccctgggggtc 120
tcttcctca acttcctctg ctggactttg tacacgggaa tcatctggcc tagagtgtag 180
cactctatcc tcagggacag tgggtccag cctcttggtg gggagaagc tgcaggaccc 240
cctgaaccta agcctgtctg gctgagtgtt gggctccagc tgggcccgcac tctcctcaga 300
ttcacagccc tgccctggcc agtacatctt tggagtccat ctctgaaaaa atcatccact 360
gcagttacca gaatagctgg ccttggtaac tccctagccc agagactgtc gcaggatgca 420
gtgacagtct taacctttgt ggcacatggc acatacagaa ggcacaactc caaggcaata 480
aaccagccct gcacatactc taaggcctta aggcttgaaa gactgggtca gttgcttcac 540
cagcctggag gaaagctaag atgctgtgga tgccatgaag tgactgcagc catgaagcca 600
catcctgtct ggtgactgna taaacttggg atcctgggac tactcagagc ccctactgga 660
tctctacttc tcaatgccca tgccaagggc ttnggccaca ttntggacag aagctttgag 720
gagtcaanng ggnccagngg tttggaangn nnggncttgg ggtgggtccc ttttaatttg 780
gagggc                                     786
```

<210> 410

<211> 301

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 45, 46, 47, 48, 207, 264

<223> n = A,T,C or G

<400> 410

```
aagcagctca agaggcagct ggaggangca ccaggaggag gcatnnnngg gcacttgctg 60
gtcggaggcg gctgcagcgg gagctggagg acgtcactga gtctgcagaa tccatgaacc 120
gggaggtgac cacgctgagg aacaggctcc ggctgtggccc acttacattc accacacgga 180
ctgtgcgcca ggtgttccgg ctggaanagg gcgtggcttc tgacgaggaa gaggctgaag 240
gagctgaacc tggctctgca ccangccagg agccggaggc tccgccccct gccacacccc 300
a                                     301
```

<210> 411

<211> 326

<212> DNA

<213> Mus musculus

<400> 411

```
gatctctggg agccgggttca gagcacatat gccgccactc agaactgtca tctgcccacc 60
ctatgtctcc ttcctggaca ggagactatg gaggaagatg tgggtcaaatt tcccttctac 120
cgcaagacca taatcatcat agacccgcat cattggaaca ctcagaagtc caagttgcat 180
gctttttatc tttgctatct cttctcgcct ctgtccctgt ggacagtga cagagcatac 240
tggagccagt gcttttaggga gcaaactgaa tccatcactt ccaattccac attcagcaaa 300
ataaaggcaa actggccata gctaca                                     326
```

<210> 412

<211> 304

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 89, 94, 102, 109, 114, 123, 125, 149, 173, 177, 189, 192,
193, 223, 233, 238, 244, 249, 257, 262, 269, 279

<223> n = A,T,C or G

<400> 412

```
caccggcagc cttggcatga cgtcgtgaag gtggccattg ctaacctgac atgtgggggac 60
tcaggaaccc cacccttat gggctccang ctgnctgct gnccccagnt ttngggctct 120
aanangccct tgctgctacc ccacatcanc ctgctgccat ccattgtgtc ccnttgntga 180
aggcctcgnt gnccctgcc atgaggatgt gtgccccagt tanggggctg ttnttgancc 240
tggngggant gctgaanacc tngccggcnt ttgcacctnt gccttgctta acctgggaaa 300
atgg 304
```

<210> 413

<211> 491

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 389, 394, 403, 406, 414, 415, 450, 472

<223> n = A,T,C or G

<400> 413

```
tgatgcgatt gactaaacct actttgttca ccaatatcc tgtaacgtgt gaagagaagg 60
acttacctgg tgatctcttt aaccagttaa tgaaagatga tccttcaact gtaaattggtg 120
cagagatttt aatgttgga gaaatgttga ctttacccca aaatttcggg aatatatttt 180
tgaggagac cttttccagt tatatcagtg ttcacaatga cagcaatcaa gttgtaaaag 240
atatattggt gaaggcggat ctgcagacga gttctcagcg tttaaacctt tcagcctcca 300
atgctgctgt ggctgaactt aaaccgcact gctgtattga tgacgtcata caccatgaag 360
taaaggaaat tgggactcac atgttggana tggntaccgg ttntcnaaaa cttnnnggtca 420
tttattaagt tcactttcct ttttcctctn tttggctttt gcataccatt antaattata 480
taccttaaat a 491
```

<210> 414

<211> 345

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 303, 309, 315, 325

<223> n = A,T,C or G

<400> 414

```
gaacacgaac tcaaaccatga acaacgatac atattacaaa tgttcaaagc tgatttgggt 60
agaattggaa tacagttgca tacaacatat tccagaagaa tcagaaaagt caaagtaatg 120
gataacagaa aagagcctcc attcttcaat gaagataacg tgggaccatt ttatttcaaa 180
cttcctttct atgacaccat ggaactcttc atcgaaacgt tgactggaac atgttttgaa 240
ctaagagttt caccctttga agctgttatc tctgtgaaag gaaaaattca aagattggaa 300
ggnattagnc tttgnacaat atganggatt aagcatctta taagt 345
```

<210> 415

<211> 392

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 125, 234, 325, 347

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 415
gttttgagag attgctacaa tttggactca caagcaagat ttactgcaaa ctttgagatg 60
gagtaggtac ttttcagatg gtggctggct gccagaaaag atgctgtagt gaaactagga 120
gaagntgatt tccaggtcat atgtcattag tgtggacgct gctgtcttaa gtctgtggcc 180
atggcaccag aacacaaaagc ttgtgcctct tactcagctg tccacggagc ctangaagcg 240
cctgggcccga ggcaccagcc ttgtctcagc agaagatgtg tctgcaggca gcgtggacct 300
gtgctatctt cctagaacac attgnactca tgtttttaac acttggnttt tgattttaaa 360
aattagtatg agtgcttcag atatgaaaac ag                                     392

<210> 416
<211> 155
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 56, 71, 85, 105, 120
<223> n = A,T,C or G

<400> 416
gtacagctcg ggactagtca gactctacag cttccaagcc atcatcgaac agactnacca 60
cctccactct ntgaagtttc atctntggag aacgcattcc agatnggagg ccacccctgn 120
cactacatca tcacgcctaa taagaagaaa cagaa                                     155

<210> 417
<211> 404
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 103, 109, 116, 117, 118, 119, 121, 128, 184, 199, 256,
277, 311, 319, 320, 323, 328, 329, 336, 339, 342
<223> n = A,T,C or G

<400> 417
aaagcatgcc ctgaactgcc atcgnatgaa gtctgtcttc ttcagtgtgc tctgcgagat 60
caaggggaag actggctcct gtggcccctt gccacaaaac aanggaagng acatgnnnnt 120
nactctgngg accctggcct tctccagcc cccactggg ggagtctgcc tacagcccct 180
ggtncatagt aactggcana gggcgcccc acagccagcc tcatcacctg cgggagagtc 240
tggcagcttc aattcngatg ctgcattctaa ttaagtntct ggcacctggc tgagtgccat 300
aagtgactgg ncctgtggnn ccngctgnnt aacctnaana angcccttgc tgcggtcttt 360
gccctttttc aaggccactt gcctccccac cttggtgtga aaga                                     404

<210> 418
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 327
<223> n = A,T,C or G

<400> 418
tatttaatgg aaatgaataa ctccctttga gaaagccatg gcgaagttaa acacaaagct 60
caggggttgt tctcgagagt cttcagtatc ttctctcctg gcaagcggca gcctgagtgg 120
cagcagctcc cacagctccc acagctcgtt tgtgtataag gaccagctgt acagctcggc 180
ttccgaggcc ctgcaggcct atattgatga ttttgacctg agcagagaa acatcctggtgc 240
aaacgctgtc aaagtgaaca ctgacggtga gatttgtaat gggctgcaat tttccagcta 300
cgtacatata ccgcacaatg cttttgncaa tcttgatccc aagcagcact ttaacccttt 360

```

- REPLACEMENT COPY -

tatactatag aagagagact gttaatgaca tgg 393

<210> 419
<211> 283
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 43, 45, 54, 55, 57, 60, 67, 73, 238, 261, 264
<223> n = A,T,C or G

<400> 419
tctggtaaaa tttacagaca aatcatcaaa gctgncgggg gananaagag tgcnnntntan 60
taggagnaat gtncatttaa aaatagctaa ttgcatttct gcatgactgg gctcctaaaa 120
aagctagtct ttagggctct tggagacagt atggagttcc agtctcctcc tggctgcctg 180
cagaagacag tctcttctctg gctgccttca gatcaagatg taaactcttc ggcttctnca 240
gcaccatgtc agcctacagg ntcnctatga tcataatgga cta 283

<210> 420
<211> 444
<212> DNA
<213> Mus musculus

<400> 420
gaacacaagt ccaagcgggc acatggaggc cagctggaaa ctacatctcc cagcttcccc 60
tgcagcagtg gtggccatag cagtgggtgac agccagcacc ctggtgttgc tcctgattcc 120
gggggactct gagtgccagg aatggccttc aggaaatgaa cctggctctg ccttcactat 180
gccactgaca catcttccag aagataccac aagagggaga aattgaccga tggaggagga 240
gactcagagg tgcaggaagc aagcagaaaa tggccttaga gtgggcagct gataatgatt 300
tagagaaaca caagctacct ggccatggca ttaagacaat acaatgcaac tgctatggat 360
ttgataaaaa ctgattaaat tttaatttgg ttaaattaaa attttaattt gattaaaatt 420
aaattttaat taaatacaaa aaaa 444

<210> 421
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 197, 198, 215, 223, 224, 225, 230, 260, 289, 303, 320,
371, 396
<223> n = A,T,C or G

<400> 421
gtgactgtgt tttatttttca tgnccctgtga tacaagagaa tactgaggag cagagctcca 60
gggctctcca agccagcagg aggagtctga tgctctaagg cttagcgctat caaggaggga 120
gcgtctgcga agagtttcaa gacagcattt catcttatgg atttgccata gtccttccaa 180
gttgacttat catgcanntg aagaaatgga tgagngaaga gannnccaan atggaggagt 240
ctcagctata tccaactgcn acatacaaac atatggtaat ggcactgtna ttctgaaact 300
aangacataa ataatgctgn gtaataattt aaaaacaaat attcagacta aactataacc 360
actacagagt ntacatccat aaattactta tgctgnaaat attaactctg tc 412

<210> 422
<211> 374
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 24, 25, 29, 102, 108, 123, 125, 138, 146, 154, 156, 166,
173, 178, 207, 212, 234, 237, 242, 249, 252, 257, 266, 276,
283, 289, 290, 297, 298, 300, 310, 316, 320, 331, 355
<223> n = A,T,C or G

<400> 422
ccgactatgt gacactctga tttnnacagnc ctgacttccc cacctgtgga accgtgaaac 60
gatacgtttg cctaatatgc gaccatgccat tacaggcttc tncacacnct ggcaagttgt 120
acnncgcata tcagcaangg ctctcnagat gtctnagac ttactnggct tanattanga 180
ccacttaccg aaatatgatg gtacagnatg cnacaatggc ctgaccatac agantcnttt 240
anactcatnc tntccangga tgacanctga cagatngaata aanccacann tcctggnnan 300
gaaccggatn gcacngacn caagcagact ntttccgggtg aatgctgtgc attgnttgga 360
cggaagaac ccgg 374

<210> 423
<211> 362
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 71, 84, 90, 96, 122, 124, 126, 137, 139, 140, 142, 145,
147, 181, 182, 199, 291, 306
<223> n = A,T,C or G

<400> 423
gctgtgatgt cacacctgaa cacatgacng gccacagggc tgaggaaccg gaagctgttc 60
tgtggggcagg nggaatgtat gtancctggg tgctgntgcg ccccatatat aaggggaaac 120
cnancnagag gattggnnan anggntnggg ctgcagcctg gtgaaagaac tggggccttg 180
nnaatgcctg cagataggng gcatggccat ggaacaatgc ccatggctgg ctacctcctt 240
catattgtcc tgaccctga aacccaagga cgggtcagac tcctgctcca nctgaggctg 300
caggtnttag ggggaaagga atgggggaaa cggacacccc aagtgggagc ctgagccaaa 360
tc 362

<210> 424
<211> 375
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 26, 29, 45, 46, 55, 89, 105
<223> n = A,T,C or G

<400> 424
gcctgcaatg aagagcaatn cgtatnttnc tgtgttgctc tcttnnttaa ctacnaggaa 60
ccagtaccat gttaggggct accagctgna caaaagcagg agtangagaa gacgggaaga 120
cagcaagatg tccaatgatt taccgtgtcc accccaggcc aggtcacat cacacaaggc 180
aggggtgttag tcacctgctt atgaagccaa cgtgtttgca tgaccatgcg tgaggcaaga 240
cccgattggg tatgactgga ggttgtgtgg atttaaaaat cttttaaaaat ccttaaactc 300
ggttcattca aggtatcctg aggccacag gaatactctc cctctgcttt ctatcgtgaa 360
gggcttgagg gaggg 375

<210> 425
<211> 192
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42, 111

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 425

```
ccatgcacct gagccatctt cccctcttag gctaaggaga tntgtgactt ggtctgggtg 60
gaagtccttg taggaagaaa acattgagca ggtggtaagg aaaggggcat nctgcactgt 120
gcgggaagac cttaatccta cctcaggaga agacatgatg ggaatgttct gccctgcatg 180
caccttgggt gc 192
```

<210> 426

<211> 331

<212> DNA

<213> Mus musculus

<400> 426

```
catcaatagc tagctttctc acagtgctag cttggtatcc aaatactttg ctccggacgt 60
ggtgccttgt gcttcatagc ttaacactca tgacgaatat gcagcttaat tctggttcca 120
gcagttctat tggaattcag gagactacgg ctcatctgtt ggtttcagat ccaaacctta 180
ttcatgtgtt agtgaaattt ctttctggta ccagtcctca tgggacgaat cagcatagcc 240
cacaggtaat aaagtgttta aatattgatg tatatgttca tacctctcag taaacagata 300
attaaagtag cctttatgac caaaaaaaaa a 331
```

<210> 427

<211> 391

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 366

<223> n = A,T,C or G

<400> 427

```
agacttcctg cttggtgcgt accanacgga attcccagag ggacccactg agcaactcat 60
gaaagggaag atcacatttt cgcagggtgag gggatgctgt gtggaccctt gagggagggtc 120
ctctgcatca ttaattttctg ccccatcctt caacaccctg tgggcatgtc ctgcaacccc 180
acccccaccc cccataactc acaaaatagc aagacactga aaggtgtgtt tagaactggg 240
ttgttgctct tctgggccaa cctgagggac ttttcaagcc ttgaggaact gtgacaagaa 300
atcatgacaa ctagagtggc tatttcagga caggaccact caattaactc aataactata 360
gaatangggg ctttggagtc tgggactgag g 391
```

<210> 428

<211> 115

<212> DNA

<213> Mus musculus

<400> 428

```
aaacatctgt ggccatcatg gaggtgggtg aggtggagag tcccctaaat cccagctgta 60
agtctgcaga aattgatgat ctattaaaca ataaagatgt ccactaaaaa aaaaa 115
```

<210> 429

<211> 115

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 50, 51, 57

<223> n = A,T,C or G

<400> 429

```
tttgagggtgc tcgatggggn tgatgatgca gaggaggaag atgacctaen ntggacngtg 60
```

- REPLACEMENT COPY -

ccactagagg acatgggaca gcctacagag gaggaggctg agcagtctgg agccc 115

<210> 430
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 364
 <223> n = A,T,C or G

<400> 430
 aggatgaacc ttcttcccga cctgtttacaa gccaaacagc ctcaaagaaa actcttagaa 60
 caccagaggc ttcagtgatg aatgaagacc ctataagcaa cttatgcaga cccccattaa 120
 gaagcccaag acttgattca acataccaaa caaatggaaa tactaaaacg aatgaaagag 180
 gtttgttttt ctctaatect tagaggtttt cattgaggat tcttagcaac aaaatgcaca 240
 agtttttatg gcttcagaat tttactttgt tcattatctc aggtccttag attttattct 300
 gtgtaaaatt aagtcttatt acttgaatta catgtgagac tgcataataa taaagtactt 360
 ttngntgggt ctgagggatg gaccgggggc tgacaaaaaa 400

<210> 431
 <211> 217
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 31, 42, 60, 76, 91, 92, 93
 <223> n = A,T,C or G

<400> 431
 cccagggtct ctgccactgt agcacngggg nctaactaat gngccacctt gccaatctcn 60
 aaggacatta atgggnttct gattgtgtgc nnnctgcagg atcctggatg gaccttgtga 120
 gtgtgggtcag ccctctggag gaaaacaact tgctgacagc ctcaggctgc tggatttcca 180
 ctgcctctct ataggaaatt ttggttaaaa aaaaaaa 217

<210> 432
 <211> 384
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 242, 368
 <223> n = A,T,C or G

<400> 432
 atgatgaagg ctcataggac atatatgctg gggttgacaa gtgctgtttc tgacagtact 60
 gctagatcct gtgtgtcatt cagaaactgt ttagatttgt atgaagagat cctgactgaa 120
 gaaggaactg cgaaggaggc aacgtacaat gacttgcaga tagaatatgg gaaatgtcag 180
 cagcaaatga aagacctgat gaaaaggttt aaggaaatac agacacagaa cttgaactta 240
 anaaatgaaa accagtctct taagaagaat atctcagcac ttatcaaaac tgccagagtg 300
 gagataaacc gtacggatga agagataaat catcttcacc aaagattgtc tgagtttcca 360
 cattttcnaa ataacccag gaga 384

<210> 433
 <211> 184
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 30
 <223> n = A,T,C or G

<400> 433
 gactatccat tctccgtggt gatgggcatn gtcattggctc gagctgagcc taccctgaat 60
 gaggctgttt tactcttccg gaggttgcca ggtccaacaa tgcacgtgct accaagcagg 120
 aggcgctggg tgcagggtcca gctatgctgc agaactctgc gcatgcctgg gagagaaaaa 180
 aaaa 184

<210> 434
 <211> 224
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 105, 141, 142, 157, 160, 162, 165, 171, 173, 175, 179, 191,
 197, 200
 <223> n = A,T,C or G

<400> 434
 gtctccaaag aaaacagaag aggacatggg attccctgga actgatggac aaatgatgtg 60
 agcggtcctg tgggcaatgg aaattgagct cagtcctctg caganctgcc agcgctatca 120
 ccgagccatt cattccttca nttcttctt tctgggnttn anttnccaaa ngncntttnc 180
 tgggtggcttt nagggcntan ttttaaaggg ttgggttggt tcta 224

<210> 435
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 435
 tgctaaatga agccaagaaa gttgataatg gcaacaaagc aacagaagac gactctcctc 60
 ctggcaagaa gatgcgcacg tgccagagaa aagggcctat ggctggaggg aaggacgcag 120
 acaggacaaa agacaatcga gactctgtga agacctgtg gttaaagggc aaagcccctg 180
 tggacccaga gtgtgcagcc aagggtggga aggctcatgt gtattgtgaa ggagatgatg 240
 tctatgatgt catgctaaat caaaccaatc tccagttcaa caacaacaag tactacctta 300
 ttcagctgtt agaagatgat gccagagga acttcagtgt ttggatgagg tggggccgag 360
 ttggaaagac ggggcagcac agcttggtga cttgttctgg tgacc 405

<210> 436
 <211> 229
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 33, 34, 57, 59, 65, 75, 82, 102, 109, 170, 192, 200
 <223> n = A,T,C or G

<400> 436
 ggcatgaatg gattgcgctc anatttacca aanntgaatg ccaacatgaa gactgtnanc 60
 ctagncttga agatnatgat tngtatggaa ggggacccc anaacctna caaactgcac 120
 attgtcacia gaatagtga gtacataaga ggcgtccata ctgggaaaaa gataccatcc 180
 cgatgcttgg antacagaan gcacacagcc ctcagaatca caagaacat 229

<210> 437
 <211> 294
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 437

```

tgggtgggaag gacagctgtt acaacatgat gcagtgcatt gctgaggggc atcaaattgt 60
tgcattagca aatctaagac cagatgaaaa ccaagtggag tcagatgaac tggatagcta 120
tatgtatcag acagtgggtc accatgccat tgacttgtat gctgaagcaa tggcgctgcc 180
cctgtatcgc atagccatca gaggaaggag cttggagaca ggaagagttt atacgcaatg 240
tgaaggtgac gaggttgaag atctctatga actgttgaaa cttgttaagg aaaa      294

```

<210> 438

<211> 317

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 160, 166, 186, 190, 200, 204, 207, 214, 224, 226, 228, 231, 233, 237, 239, 250, 251, 253, 254, 268, 269, 278, 291, 294, 298

<223> n = A,T,C or G

<400> 438

```

gcttgttttg atccacctct tgaaatggat cctaccggga acccaatcat acacaacaaa 60
aaggcagccg acccagtgca tcctgacctt gccagcatgt tggtgaaaaa caagactctt 120
ttagctgagg tatatagctt ttacaaaaac tgaaagtggg aattanatct tctgaaagggt 180
tagganagan agaggggagtn ttgntancgg ttanaggcgt tatntnanc nantttngnc 240
ccaacccaan ncnnaatttt ttctttanng gggagttnaa atcccggtg ngcnttanca 300
cttctacatg ggaaata                                     317

```

<210> 439

<211> 327

<212> DNA

<213> Mus musculus

<400> 439

```

caactgagga agtggagaag cttctcgatt ggaagccgct gccgtcaatc atatgccgag 60
cgggcccggac ttcccgacaa gccctccaga gtctctctgc tgccggagca agctcagctg 120
tcccggggac cacagattgg aagcaggcag tcaactgggtc tggacaggaa gactctctcc 180
ggcctttctca gctgtgggtcc tctaacctgt gcctgtgagc caccaagagt gaacggaaac 240
tagaagcatt gccaccaaca actggagcag tgaccacact gaagtttctc tggcgagggg 300
aaaggggagtg caggaggaaa aaaaaaa                                     327

```

<210> 440

<211> 418

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 357, 375

<223> n = A,T,C or G

<400> 440

```

acaggggtctc agtatgtatc tctgtctggc ctggaactcc ccgtgtagac cacactgacc 60
tcaaactcac ggagatctgc ctcccaaaaa ctggaagcaa aggcatacag caccatactc 120
agcaagactt caactttgca tctttcatgg ataaagcacc cagaaatccc tgtggctgat 180
taattcctgt ttcattgatt taagattgga cagagggcag atgtcagacg agacagtcag 240
cagatcacag ttctccttga agacgtacgc agttagagtg tttgctctcc ctgtgtcttg 300
gtattattct ctctcccaga tcaaattttc accagtagct aagaagctgt tcatggnaac 360
tgccgtgagt gctgngtctg ggatttttctg gccatcact ttaaaagaag acggggga 418

```


- REPLACEMENT COPY -

<210> 441
 <211> 383
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 324
 <223> n = A,T,C or G

<400> 441
 aagactgaga tctctgcctg gcagattaac taacgacaag gaagactggc cttacctcca 60
 ttcccagtgc tgccctttac aagacctctg caacagactg tagcccaagc ccccttgctg 120
 ccctgtttac cccagacatc tttctggggg ccacttgaag tcagcagctt gaagatgagc 180
 agcaccctct tagcatgacg accttggacc atgtcattgc caccaccag tcagagtggg 240
 tctccttcag tgaagagcca ttgttcccca cccctttaga ggggggcaact gaagagcaact 300
 tcccaggact gtcattcttc tcanagcggg ctgagagctc ctctggggag aaccatgtcg 360
 tggatgaagg ctcccaggac ctt 383

<210> 442
 <211> 165
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 33, 36, 64, 66, 68, 69, 84
 <223> n = A,T,C or G

<400> 442
 gatttccaca ggctatacan gagaaaccct gtntcnaaaa accaccgaaa acgatagctg 60
 agancngnng taacactcat cttnaatcca agtacttagg aggtaaagac agaaagttct 120
 tctgctacac agagttcaag gccagcctgg gctacaagaa actca 165

<210> 443
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 443
 ttgacacact gagcctagca aagctggcta tgaccatccg ccgcttaagc ggagccacct 60
 gctgtgctgc tcctttgatg tgccactacc tgcccgaggc ccaacctgcc tgaggcagaa 120
 cctgttgtct tccaagattt tctggagtta gcaccgaact gcaatcttca cgagttccca 180
 ctaaaagact gacctatcta cttcaaagaa actttgcatg gctaggtatg ggctccccct 240
 cttctttata aagcgtgttt gctgacatta aaattgaact ttgatcagaa aaaaaaaaa 298

<210> 444
 <211> 423
 <212> DNA
 <213> Mus musculus

<400> 444
 agctcctgaa gttctgccat tccccgtggg ctgcagttca ggaagcttct ggaacatgcg 60
 gcgcctctgc catggaaaca agatccgcgt cgtcagcttc agatgtgttc ttggaacact 120
 gagttcgctt tggcagctgt ccgaaagtta atcctgtgaa gggacctgaa gcagccctct 180
 gaggaagcct cgcgcacccc tgccgaagaa catcgcagtg tgttcattcc ccttccgctg 240
 gcctcaggat ccaagcagga aagaagaggg aagaactctg aaggacatga gagggaccca 300
 gcttacagtc caggggttccc agactgccct ttgagaataa aataggaggc cagaatcaaa 360
 gtcttttggg taaaacaccg cgactgacca cacactaacc catttggtctg cccttctttc 420
 caa 423

- REPLACEMENT COPY -

<210> 445
 <211> 280
 <212> DNA
 <213> Mus musculus

<400> 445
 cttgcagacc cttatcgacg tgggtgctgtc tcaacactaa cttggatctg aatctccctg 60
 agtgctggag tcagttctcc caagcgggtg agttctacct tgcattctct accaggaccg 120
 cttagtaata gctgtctgct ggctcagcgt ctagtctatt tcatactttc cagatcactg 180
 tgttttagca gcagccggcg ttgcatcttc gggcagtatg agagcctgtc agcagggaag 240
 aagttccagt ttggtttctc catatatggc acccaaggtg 280

<210> 446
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 446
 gcaaagaaca gaagcagacc aacatcgaat ccatgaaaat ggagggctcc cggggcccgac 60
 tgcgaggtgg cttgggctgg gaggccagcc tccgtcagcg acccatgcca agactcacct 120
 tccaggcagg ggacccctac tacatcagca aacggaaacg ggatgagtggt ctggcacgtt 180
 ggaaaagggg ggc 193

<210> 447
 <211> 242
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 62, 67, 78, 79, 95, 102, 109, 110, 115, 128, 136, 143, 147,
 150, 153, 156, 159, 164, 184, 191, 192, 212, 225
 <223> n = A,T,C or G

<400> 447
 gcaccagacc tgttgctgtc aagatggagc agcacactag taaccctact aaggaaaaag 60
 gngctgnnga aaatcccnng ggatgccttt gagcncctaag antgcttggn tgcenacctt 120
 gatctttnaa cccatnttgc tcnacgnan atnttnatna tcgnaaacct tgctggcttc 180
 cctntcacag nngggttctg ggaggtagag cntgaactgt tcttnccttg gcttatgtcc 240
 gc 242

<210> 448
 <211> 340
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 51, 52, 53, 57, 73, 93, 95, 116, 125, 137, 144, 149,
 162, 169, 181, 192, 195, 201, 204, 212, 222, 230, 231, 276,
 278, 292, 293, 297, 303, 312, 313, 314
 <223> n = A,T,C or G

<400> 448
 ggtgtctttc tgtgccgaac atgctngaag aaatgcccta gcaattcatg nnnatangta 60
 gaagagcaac ccnggcccta tgggtggaaa cntnttgtg ccagttgagc tcatangcta 120
 ctcanagctg agatagnaga cccntagant aggagcttga ancgctcgn tctggcatga 180
 nggagtcgat gnagntgaac nagnngcttt antatgagag anttgctagn nagtgcgcag 240
 tcattgacat tgatcagttt aaaagactcc aacacntngt caaagagaac annccgngat 300
 ttntacactt tnnnaaagag gaggacgagg ctttaagtag 340

- REPLACEMENT COPY -

<210> 449
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 40, 63, 77, 94, 112, 117, 121, 133, 135, 143, 144, 145,
 147, 150, 204, 231, 253, 255, 277, 337, 348, 356
 <223> n = A,T,C or G

<400> 449
 atgacatcat ctgccccatc ttgtggccta atncacgctn taccctcctg agccgtgttt 60
 acnagtccta ttatgggnacg ggaccaggcc aatnccttta ccacttacag antgtangaa 120
 ncaactgtca ccnangtggc tttnnnangan gggaggggagt agaactgact gtcccttttg 180
 gccctgacaa gtgaaatcac cttncattgg ttggtggctgg aaactcatgg ntggagcaca 240
 ggaagtgggc ttngngtcac ttggtgctgt cacttanatg gccttggctc tagcttact 300
 cccaaagttc tactggatgt ctgatgcaca aattcanagc ttctgggncc tgaatnccgg 360
 tataacatga cacc 375

<210> 450
 <211> 172
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 53, 61, 62, 63, 110, 115, 119, 121, 128, 137, 138, 140,
 141, 143
 <223> n = A,T,C or G

<400> 450
 tgcatacat ggactaagtt gccagangt ttagtacttg ctcccaccgg gencatgctg 60
 nnnatgacat catctgcccc atcttgtggc ctaatccacg ctgtaccctn ctganccgnt 120
 nccaccgncc tattatnngn ngngaccagg ccaatccctt taccacttac ag 172

<210> 451
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 451
 tttgtcccaa cagatgggat tgaagaaggc ctctcaggca gattttaact ctgactactc 60
 tggagataag agcgaggcaa cagaaaacta ataaagattt gtatttgact ta 112

<210> 452
 <211> 250
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 48, 127
 <223> n = A,T,C or G

<400> 452
 gggttggtgca ggaaatatta anaaatgaa cccaccaact ctctgtgngg ccgaaccaca 60
 ctcccgcgct cctgccagca cgcggcaact ctctccagct agcccctgca gcatctggct 120
 cgcttgnccc gggagccact agttccctct ctgctataat cccctgtaat tgggtgatccc 180
 atattccagt aaccaaatgg aaccaccaac ctcgagggtg catattacaa tacacagtaa 240
 cccggtaaaa 250

- REPLACEMENT COPY -

<210> 453
 <211> 615
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 33, 40, 47, 51, 59, 66, 71, 76, 89, 95, 101, 116, 135,
 150, 162, 165, 169, 177, 192, 197, 216, 224, 232, 234, 255,
 260, 265, 277, 286, 293, 309, 315, 319, 343, 346, 357, 370,
 418, 427, 439, 449, 511, 526, 529, 546, 549, 559, 572
 <223> n = A,T,C or G

<221> misc_feature
 <222> 579, 582, 596
 <223> n = A,T,C or G

<400> 453
 gtaattgtgg atcgctctt acatnccttg gngggtcgan ccggaanagc nctttcacng 60
 gaagtnccct ngaaanaccg gtacccttna attgnggctt nggcctccgc aaaccnaaga 120
 cctttttact ttgtnacggc aaaaggtttt cggggtccaa ancanctant agatttnccc 180
 cggtaacacg tnggcantca atatttggaa atcgcntctt tttnaaattg cntngtcttt 240
 ttaaaccggcc attgngggtt gaccnaaccc ctttacnttt taatcnggcc ttntacatta 300
 accccgggnt gggtnggcnt tccaaacccc ttgggcgatt tcnaancctt tggggcnccc 360
 ccttggttcn gggaaaactt ggcttgccac taatttaaata ccggcacgcc tggctttntc 420
 ctcatcngcc tccatagtna ataagcctnc aagagttaca accagagtgg cctggaagcc 480
 ggacgatctt tgggttcttg ccagcttatt ntgctagcga gcttgnggnt ggcctacaag 540
 ataacntgna taaccagng ttcagaggca tntgcctgna tnaggccaca ggcctntgaa 600
 ggaccttggc catgg 615

<210> 454
 <211> 343
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 290, 314
 <223> n = A,T,C or G

<400> 454
 accatccaca catgattgaa tcattaataa tctacatgat tactnctcgt ctgcaaaatt 60
 aagcagttct gagaagtcaa gcaactcact gtcttctcct ttcacatctcc gtttcctgat 120
 cttaccagtg catcgggtca ggtgggtcata tatgcttagc agaactgcag gacactggac 180
 atactatgga ggcctcagcc tctttctctc ctgctccctt gctgtggagt aacttcatcc 240
 atcacgtgt cctagtggct tcttcagatt atcaaagttc caataatcgn ctctagggga 300
 catgtctcta aatnccattc agaagtttag cataattttt agt 343

<210> 455
 <211> 266
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 105, 114, 116, 127
 <223> n = A,T,C or G

<400> 455
 ctctgatccc gcttgctgtt cctactgaca cctgagccgc ggtggcgatg ctgctgaggg 60
 ccttccagcc cacgagtcaa cctacttggg aggagtgtct tttancctca aggntnctca 120

- REPLACEMENT COPY -

```

agtgcangaa gagagtgate tagaaatgta attgaaaata gaatagcatg aaagatatata 180
atgtctttga atattttatc tcagtgtatt ttaatatatt gataataatt aaaggctctgt 240
gagtttaacc agtgtttttag gatata                                     266

```

<210> 456

<211> 412

<212> DNA

<213> Mus musculus

<400> 456

```

gactgaggtc cggatggcga gggggcacag gagctctcga tgtgacctgg cgctgtggat 60
gtgatgcaca gcagcttgag tgggactgct ccgctgtcct catgagagaa cgctttttct 120
gaagatggga ggtggctaata gaaagaagga attgtgttct cggatgatgcc tgggaagagat 180
gcgtgacgtt ggaagatgat tacgaaatac aggaaaaggaa tgaaatcaaa ggatgttttt 240
tgtaagagta acacttacag aaatattcat taatttgaag atttatataa ggcctgggtga 300
cctccgttaa ttcctgggac ccacagtgtg gaagaagaga cctgactcct gaaagttgtc 360
ttctgaccac atatacaca tatgtaaata aatgtaatta aaaaaaatca aa          412

```

<210> 457

<211> 329

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 280

<223> n = A,T,C or G

<400> 457

```

tcaatgctag aaggatgaagg aaagccactc aaccagact cagtcagggg aacctctctg 60
gaaccatact tctgaaaacc tggatgccaa tgacattttt tgtggagata agattcaagt 120
acagaaaata aaagtgcata ggctgtttga aataccagct ctactaaaag cagcacttaa 180
ttctaagaaa tggggctttc ttatatgctt tacacatttt ctattatcaa agttttatat 240
gttgtctcta taacttctgt gattgttgaa tttgtaattn ttatacctaa aacttaaaat 300
aaattcacac aatttctgta aaaaaaaaaa                                     329

```

<210> 458

<211> 218

<212> DNA

<213> Mus musculus

<400> 458

```

caagccatct ctccagcctg agagtgcgtg ttcttatcat gagaagacaa acagcagtgg 60
agttggcaag ctgcctcagt gggattctga tgcttcatga catgccatca tgtagagcaa 120
taatgaacac tggcctatct tggactagcc gacaaccctc agaaatgata ccgtaataac 180
ctaccgcagg gaagctgagc tcgagtcctc atgactat                                     218

```

<210> 459

<211> 432

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 277, 283, 288, 295, 298, 319, 324, 330, 334, 335, 346, 347, 352, 362, 366, 372, 407, 414

<223> n = A,T,C or G

<400> 459

```

ggacaagttg cttcctgaag gatccatgtg tattgttcaa aacacaagct taaaaagagt 60
gcctgcagac agatggccca catcttcgtg tatggcaccc tgaagcgcg ccaacccaac 120

```

- REPLACEMENT COPY -

```

cacaaagtca tgctggacca ttcacatggc ttagcagcct tccgaggccg aggctgcaca 180
gttgagtcc tccactggg gattgcaggc gagcacaaca taccttggct gctgtacct 240
ccaggcaagg gccactgtgt gacagggtgag atctacnagg agnacganca catgntgngt 300
ttcctggatg actttgaana ctgncccagn atgnnccagc gcacannccct gnagggtgcat 360
gngctngagt gngagggtga cagtgaccct ggtgacaagt gttgagntct ttnggtacac 420
tacagcctcc ta
432

```

```

<210> 460
<211> 340
<212> DNA
<213> Mus musculus

```

```

<400> 460
ctgaggccct tttagctacc cattactgga ccagaaagat gacatctatc atcaagttaa 60
ccaccctctc tgggggttcaa gaagagtccg ctctttgcta tcttctccag gttgatgagt 120
ttaggttttt gttggactgt ggctgggatg aacacttctc tgtggacatt attgattccc 180
tgaggaagca tggtcaccag atcgatgcag tgctcctgtc tcatcctgat ccaactccacc 240
tcgggtgccct cccattcgcc gtgggggaagc tgggtctaaa ctgtgccatc tatgcaacaa 300
ttcctgtgta taaaatgggc cagatgttca tgtacgacct
340

```

```

<210> 461
<211> 134
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 22, 28, 35, 38, 43, 48, 54, 62, 81, 89, 110
<223> n = A,T,C or G

```

```

<400> 461
caggatttct ctgcctctgc cnaccttngg ttcntgncc ctnagagna ctancctgga 60
gncacttctc tgggtgacacc nactcaaana gaacacttct gattaaaacn tgtggaaccc 120
acagatggac aggt
134

```

```

<210> 462
<211> 390
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 190, 200, 209, 219, 269, 276, 291, 328, 338, 339, 367
<223> n = A,T,C or G

```

```

<400> 462
gactgagctt gccgggggtg caaatggaag atttaagtcc cgttctggac acaaaatcaa 60
ctctgtgagt ggtgactgtc agctgccggc ttcaccaatg ccttctcaaa gcatgtctgt 120
ggaagaaaca gcaagaaaac tgctgtctaa cttaagggaa attcttctat actttgttcc 180
cgagtttcan ctatcatcan aatttgagng cacatctgng gaagaactca taacaaatcc 240
tgagctggag cgatgcccaa agaatatana cgaaangcta aaaacgtggt ncaaccagat 300
ccagaatatc tacatggctc agtatganaa aagactcnng aggaaaatgc agtccattgt 360
ctatgangca acacagaagg ggcttactca
390

```

```

<210> 463
<211> 149
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

- REPLACEMENT COPY -

<222> 22, 24, 25, 50, 56, 60, 63
 <223> n = A,T,C or G

<400> 463

gacgtgtcaa aaagtggaga angnncatgc cttcaaagcc caccgtgctn agctgnccgn 60
 tantagctct tacttccggg acctcttcaa cagcagccgc agtgctgtgg tagaactgcc 120
 ggccgctgtg cagccacagt cattccagc 149

<210> 464

<211> 128

<212> DNA

<213> Mus musculus

<400> 464

gcccttctcg aagccacaaa aatctggaac ctggtgtcct ggccatgtgc tgaatgcacg 60
 cacagcacag ctctgggtatc tgttttaaat tatccattaa aataagtaca gtccctggaaa 120
 aaaaaaaaa 128

<210> 465

<211> 108

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 45, 68, 73, 76, 85, 87

<223> n = A,T,C or G

<400> 465

gcccatcttg cacagtccgt agaccatgac ttttacgtgg atatngaccg caaagaggag 60
 agcttctncc agnccnaggc ctcctnngat gctctgtgta cacacctg 108

<210> 466

<211> 197

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 45, 66, 68, 69, 73, 82, 111, 114, 126, 134

<223> n = A,T,C or G

<400> 466

ttatacaacg ccgtgactgg naaaaccctg tacgttaccc aacanaatga gcttgcgaaac 60
 acatancnnt ttngccagct gncgtaatag cgaataggct gaagaaaatt ngancccata 120
 gagggntgcg ccanttttgg ggccttctg ttcgcggggc agcacaccat gaccactggc 180
 cgcagggggc cgaactg 197

<210> 467

<211> 163

<212> DNA

<213> Mus musculus

<400> 467

ttgatgatac aaggggaagt aataatgaca actaccaagg agattttggag cccagcttag 60
 agacacctgt ttgttcttcc tattatgaaa atagcccggg ggagcccggg tgtcatgatg 120
 acaattccca ggaagatgaa gggtttatgg gcatgtccca tgt 163

<210> 468

<211> 324

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 59, 68, 114, 122, 124, 159, 301

<223> n = A,T,C or G

<400> 468

```

gatgaaaaag catttgtaac tatgaattga ctacagtttt cttcttcctc ctttcctgna 60
attctgtntc tttccttttg ttccttcctt gcttgagaga ctcaaagcac ccgngactct 120
gntncccat ttacccctt ttgaatttgc actaagtcna ttgactgggt ttggagtccc 180
ggagatagct ttgagtctct ccgtatgaat gtatacagcg agtgtgtaaa cctctttggc 240
aatgctgccc cagtaccac ctgtcgtcca tctccgtctg agggcaactg ggtgtggccg 300
ngtgcttgag gcctcgcctt ccct                                     324

```

<210> 469

<211> 174

<212> DNA

<213> Mus musculus

<400> 469

```

ggccctcata atcgagaata tcgatgagga cttcagggac cagaggaagc cgggaaaaga 60
ggcccatggc gtcgagccca gccctgaccg ccagctggct gaggtcgtgc cctgctgggc 120
tgccctccaa tgtgcctcac gcaataaaga attctccctc tgcaaaaaaa aaaa      174

```

<210> 470

<211> 109

<212> DNA

<213> Mus musculus

<400> 470

```

cgggaagagc acaccagcc caaacctaga tttggatctc gtccggaagc agttatccag 60
agccggtatc ctcgctcaga gaacagccac cgatttttaa gcccaggcc          109

```

<210> 471

<211> 416

<212> DNA

<213> Mus musculus

<400> 471

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tgagataaaa atctggacaa tgccgcagaa gcagctgagc agtttaaatt aatccaagct 60
gcatatgacg tcttaagtga ccctcaggaa agagcgtggg acgataacca ccgagaggcc 120
ttacttaaag gagggctcga tggggaatat caagatgaca gcttagatct gcttcattat 180
ttcacggtta cctgttattc tggttatggg gacgatgaaa ggggggttcta tgcagtgtat 240
cgtgttgtct ttgagctgat tgcaaaagaa gaactggagt gtatgtcaga gggagatgtt 300
gaggattttc caaccttcgg cgactccag agcgactatg acacggtggg ccaccctttc 360
tacgctcact ggcagaattt tctgcacaca aaaagaaatt ttcttggaag gaaagt      416

```

<210> 472

<211> 180

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 29, 31, 43, 45, 56, 65, 78, 87, 99, 136, 152, 154

<223> n = A,T,C or G

<400> 472

```

taatctcaca gactattcta aacttntang ngcatttatt gcngncgaaa agcaanaggg 60
agtanctgcg gaagtgggag aagactncaa catcaaagng attatctgca ctctacttgg 120

```


- REPLACEMENT COPY -

agtgaaaggg acacanaggg accatgaagc gntncttgtc cagattctct caaaatctca 180

<210> 473
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 372, 375, 387
<223> n = A,T,C or G

<400> 473
gttaacattt ctgagctgtg ttcccgagat gcttgattga cccttgaagt tatgtggaca 60
gagattctca cgtgtgtcta ttttaaccac cggaccacgc attgtatctt aatgttcaca 120
taagtcagaa ctttcataag aaagagaatg ggagtcctgt taaacaaaga tgactttatc 180
agagacttga agaggatcag tctctgtctt ctgatactgt acgtggtcgt tgtgggtggc 240
acagatcaga atttttacag tttacttggg gtgtcgaaaa ctgcaagcag tagagaaata 300
agacaagcct ttaagaaaatt agcactgaag ttacatcctg ataaaaaccc gaataaccca 360
aatgcacatg gnganttttt aaaaatnaat tggaccttat gaggc 405

<210> 474
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 210, 227, 235, 238
<223> n = A,T,C or G

<400> 474
gaaatcattt caaaaaattt cccaatcaga ttctgaggag tgggaatctt tgaaagactt 60
gagaagtcag cttgaacatt taagatctga gcactcattt ctaagtaaac ttactggctt 120
caatataaga aactattcca agatggaaga cattgtaaac actgaagaga cagaaaaaga 180
tacaaagaaa gttctacaga aacacagatn atcaggaaat tgcaacntgg cgacnttnca 240
actggaattt gaggg 255

<210> 475
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 62, 66, 140, 148, 172, 185, 241, 259, 329, 330, 340,
394, 465, 473
<223> n = A,T,C or G

<400> 475
acctctcccc agaggagcag tggagggtn g aacatgctcg aatgcatgcc aaacatcgtg 60
gncacnaagc catgcacgct gaaatgggcc tcacccctcat tgctaccttg gtgggtggccc 120
agctgctcct ggtacagtgn aaacagangc atccccgttc ttacaatatg gngaccctct 180
ttcanatgtg ggttggtccc ctctatttca cagtgaagct gcattgggtg aggttcttgg 240
ngatctggat cttcttctnt gctgtcacag cctttgtcac cttccgagcc acaaggaagc 300
ctctagtaca gacaaccca aggttggggn ataaatggtn tctgctgatc tataaaatca 360
gctatgccac tggcattgat ggctacatgg ctgncatgtt taccctcttt ggtcttaact 420
tattattcaa gattaaacca gaagatgcaa tggactttgg cattnctctt ctnttctatg 480
gcctctacta tggag 495

- REPLACEMENT COPY -

<210> 476
 <211> 216
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 61, 130, 135, 137, 159, 162, 178, 186, 197
 <223> n = A,T,C or G

<400> 476
 cggttttctca gcgactatgg cctgcagtgg gtggggcgagc ccatggacca ggagaactca 60
 naggaaaaga cagtctctga aaatgatgag cgagactgga tgaaggccaa gaagttttgg 120
 aagccaggtn aagcntntgc cctggccccc acctaccanc tncctgaggg cctgccantc 180
 ttccanaggg ccattgnttg aacccttgac atccca 216

<210> 477
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 23, 44, 56, 57
 <223> n = A,T,C or G

<400> 477
 ggagcccaaa gtcttgccct ntnaggaccc agctactttg cctncatcta cctctnnctt 60
 ggtgattccc tccctgccc acatctgggg ccattagca ccctctttcc tggttggtgg 120
 aaagtgcaag aagatgggag gcatacctgg tgctcaacac gcagtaggcc ttcaataaaa 180
 gccacttgca ttagcatttt atacttcact taaaaaaaaa aa 222

<210> 478
 <211> 290
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 478
 gcccaacaca gagatacttt cattgaagaa cgctatggaa aatataacat cagtgaccct 60
 ctaatggctc ttcagagaga ttttgaaaca ctgaaggaga aaaatgatag tgagaagcag 120
 ccagtgtgca caaaccacct ctctgtcctc aaggcggtga tgaagcagtg caagaacatg 180
 caggagcgca tgctgtccca gctggccgca gccgagagca ggcaccgcaa ggtgacccct 240
 cgacctttga gaaaaaagga cagagncttg cccaggacac tgttgaagga 290

<210> 479
 <211> 310
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 79, 82, 183, 190, 203, 206, 210, 212, 213, 216, 222,
 230, 253, 280
 <223> n = A,T,C or G

<400> 479

- REPLACEMENT COPY -

```
gtgctcctcc cagacaagtg ctctnccgg taaagttatt cttcccctgc agattaatct 60
ttctccactc gcctaaccnt gnggggagaag ggggtctaaa gtctttctgt ctactgtccc 120
tctgactcag gtgcctcagt tacgctccaa agtgggtgaat gggttaggat ttctattccg 180
tangaggctn ttgccttttt ggnggnttgn tnnctnatat tnataatccn atttggaaag 240
ctgacacaag aangttattg tgagtttgag gccagcctgn gctacagaat aagaaccttt 300
ctcatataga                                     310
```

<210> 480

<211> 373

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 208, 209, 210, 212, 214, 216, 220

<223> n = A,T,C or G

<400> 480

```
atcaattaaa agaagaatga gctgtaatcc ctgaagataa aactggacag ctttttcatt 60
tagtatatgt atatttttaa ttataaaaagt tcagggtggag tcttcagttt atcagtactg 120
agcagcagat caccattttc agggacgata cctgcctctt ctttttttgtt gttcttggca 180
aaaattaaac ccattgcgtc attgtaannn angnangggg gtaaattcag gatacaagtc 240
atggaataaa cttcccacat gctttgctta aaaaacaaaa ccaaccaaac tcaaccatta 300
caccgaactt tggacttctt gaattgagct ttattttaat ataaatacct gaagtgatth 360
tctcagaaaa aaa                                     373
```

<210> 481

<211> 421

<212> DNA

<213> Mus musculus

<400> 481

```
ggctgtgata tctctctcgt agcgccctccg gttctcgggg tccgtgatct ccgcggcgta 60
ctcggagaac attcggcgga actctgggtc ctgaaaggcg gaggtgaacc gctgcacctc 120
ctctctgctc agatccaagt cctccagcgc taaggaggcc gccgccttgg ccatggtgac 180
ccacacggcc caatgccag acccagtga ggatcagggt gaattgagtg tctaggatgc 240
gcttcagagt ctggctcatg gagaactgac cagtccaaga aggccttctt ctgttacatt 300
ttaagtagac tgtcccaaga ttgggatgac acctcatctc cgttatgcca tctctttcac 360
atgctaaata tatgtactca actaccatgg tgactctgag ttcaaggcca gcctggtctg 420
c                                     421
```

<210> 482

<211> 428

<212> DNA

<213> Mus musculus

<400> 482

```
ttatcttcac ctgttggtgt aagcatagca cttttcaagc cactgtagaa atggacaaaag 60
aagaaaggaa gactatcaac aagggtcaag aagatgaaat ggagatacat ggctataact 120
tatgccgctg gaagcttgcc atgggttttg taggagtgat ttgtactggt gggtttctcc 180
tctctctcct ctactggctg cctgagtggc gagtgaaagc cacatgtgtt agagctgcag 240
ttaagacag tgaagtgggt cttctcagga caactgatga atttagagta tggttttgtg 300
caaaaattca ctttcttctt gtggagaatc aaccaaattt gaatgcaaaa tgtttagtta 360
atgagggtttc taatggccat gctgttcac tgactgaaga aaatagatgc gagatgaata 420
aatctcac                                     428
```

<210> 483

<211> 324

<212> DNA

<213> Mus musculus



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<400> 483
tggttcccta aggcagccgt ttcttgccgg ccctgggagt ctgctatggc gttccctcac 60
ctacaacagc ctagtttcct tctgtgtacc cctctggaga cagctgggtg gaccgggtgac 120
ctgcaccatc agatttattt ttctaagagg gctcttgcaa tccctacttg tttagagggtg 180
gtcagctggc ccaagtcttc agattgaacg actagcatct cctgatctct atttggccag 240
aggccacttc tccatggagt cgggtgtgtg cccacatccc aagactttta ataaatctcc 300
ttggtttctg ttcaaaaaaa aaaa 324

<210> 484
<211> 255
<212> DNA
<213> Mus musculus

<400> 484
gccctgagag ctgaagttgg gagaactgct tcatgataaa gctgtttggg ctttttgaag 60
ccatgtctgc tattgaaatg atggatccta agatggatgc cggtatgatc gggaaccaag 120
tgaatagaaa agttctcaat tttgaacaag ctatcaagga tggcacattt aaaattaaag 180
acctcagcct gcctgaactg ataggaataa tggacacctg tttctgctgt ttggttaagaa 240
ataaaaataag actgt 255

<210> 485
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 34, 48, 58, 73, 103, 104, 135, 144, 149, 208, 217, 242,
271, 277, 290, 293, 296, 302, 305, 340, 347, 359, 363, 371,
398, 405
<223> n = A,T,C or G

<400> 485
atcccaagat ggctgggcnt aaacttgctc taanaaccat tgattggnta tcttttgngg 60
aggatcatgcc ccnaaaccag aaggcaattg gaaatgccct ganntcctgg aatgagacct 120
tccacgccag gttgnctagt ctgnctgana aaccacctgc gattgactgg gcttactaca 180
gggccaatgt ggccaagcct ggcttgnggg atgattntga aaagaagtat aatgccctga 240
anattcctgt gcctgaggat aaatacacag ncctggngga ccaggaggan aangangatg 300
tnaanagctg tgctgagttt gagtctggat cccagctcan gatccangat tatgagaanc 360
agntggagaa natgacgaac ataattccct ttgaccanac gacnnttgat gacttgaatg 420
agatcttccc agaaaccaag ctggacaaaa agaagtaccc gtactggccc caccagccca 480
tcgagaacct gtgaagcagc ctgggacgga gccccggccg acatgaaata aaacatttaa 540
atagtgaata aaaaaaa 557

<210> 486
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 158, 159, 165, 167, 173, 179, 180, 182, 188, 189, 190, 195,
202, 206, 207, 209, 210, 214, 216
<223> n = A,T,C or G

<400> 486
gtcccagccc agatccaagg aacgagcatg cccagaatac ctgagctctg agcgtagtgc 60
ggcccagcag cgtgcgtcgg tttgaaagct cggctccaac ccagcggact tcagaagcag 120
ccggtggcgc agttccccgc cccctcagcc ctgtatcnna cccanancct gangctgcnn 180
tnttaccnnn agggntctgt gngcanncn nttantnccac tttcatactg gaatgtgcag 240
gcagaaa 247

- REPLACEMENT COPY -

<210> 487
 <211> 234
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 55, 70, 77, 78, 88, 94, 111, 126, 138, 139, 144, 163, 174,
 177, 187, 199
 <223> n = A,T,C or G

<400> 487
 aagagggttg gaggatcatg tatggctatg aaaagactta cctgagagat gagcncctttc 60
 tgcagcgccn tcctctnntg caggcganga tganagcagt tcttctggat nggctgatgg 120
 aggtgngcga agtctatnng ctngcagag agacgatcta ctngggacag gacntcnttg 180
 atcgttncat ggctcacanc agaatatcat aaaaacactt ttacagctta aaaa 234

<210> 488
 <211> 489
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 389, 395, 408, 411, 458, 465
 <223> n = A,T,C or G

<400> 488
 aagcctgacc agacttggaa ctgaagcacc ttaaggacaa aagaaagact tgctgagctc 60
 gctcacagac cttctagagc agcgtgggc tcatggatct ggagattatg gacagaagat 120
 aatgtagatg ttataaccag gccagcgcc tgtggtaaag ggtgtcttta gatcactgtt 180
 tcgtcgggtat aggtaaatga catgaagaac atctttatag gcaggggatg agaactctgag 240
 atgaagaaaa gaggctcccc tgatggacca ttctaagcta ctgtcagaag caggatccat 300
 agaacttaag gacatgattg caccaattat cagacattgg ccctcttaag gtcattgggtg 360
 gatcctttta agaatttttg gcttttctng ctggnccttt cataaaangg naaccctcaa 420
 ttttttaagc cttcctattt ggaaggattt ttaaaaancc atctncaata agtaaatttt 480
 cctcatttt 489

<210> 489
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 489
 atgagagcta cacctctggc tgcttctgct gatgtttcct gcaggaagaa accgttggag 60
 tttgatgaca atattgatgc caagtgtcca gtcctaaaac gagtgagaga tgagcctgag 120
 cccggaccac tccccagcct gctgcccccc agccacctc ccgcctcaga cttgtcacct 180
 gctgtggccc ctgcaactcg actggggcct tatatccttt tggaacgaga gcaaggcagc 240
 tgcagctatc gagccctgca ctgcccaca ggcacagagt acacctgcaa ggtgtacccc 300
 gccagcgagg ccagggcggg gctggcacct tatgcccggc tgccctacaca ccagcattgt 360
 ggccccgttc cacagaggtc ctgctgggct 390

<210> 490
 <211> 900
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 572, 585, 603, 673, 676, 723, 740, 764, 796, 809, 817, 818,
 840, 844, 849, 864, 865, 867, 870, 873, 881

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 490

```

gcttctggtc tgtggcaggc aagagaattc tgcccctgag gcatggccgg aagacagaac 60
tagctgagtg cttcagtctg cagaagtctt tcaggattca gctgaggtgg gcctcagtcg 120
gcagacaaga tgctcctggc tctgggactc acgctggtgc tctatgcaag cctccaggct 180
gaggaaaaact ccttcacat caacagcatc catatggaaa gcctgccatc atgggagggtg 240
atgaatgggc agcaactgac cctggagtgc cttgtggaca tcagcaccac ctcgaaaagc 300
aggctctcagc accgggtgct gttctataag gacgatgcga tgggtgtataa cgtcacctcc 360
agggagcaca ccgagagcta cgtcattcct caagctcggg tcttccactc cgggaagtac 420
aaatgcacag tgatgctgaa caacaaggaa aaaaccacga ttgagtacga ggtgaagggtg 480
catggtgagt ccgcaagcag aatagcaggt tgatgatgat gctcacgttg gtgacgctgg 540
tcacgccgct catggtgacg ccagaaaccg gncagtgaac ctggnttcct tctccgctaa 600
ctncaccttt cctgggtcact acctggcatc ctgacctgaa actgtaggct ttaaaaaactt 660
cccgttcttg tgnaanacag gactttcttc cctttgggga atgaagtccc tgggcctttg 720
ggnaaccacc cctttccttn aatcccttcc cttaaagtaa attnggactt accatttttt 780
ccccaaaaac ccccnctttt tttttttgna aacaggnttt tcccctttaa aaagccccc 840
gggnccaang ggccttttta aaanncnttn ccnttggggg ncaattggcc ccccttgggg 900

```

<210> 491

<211> 263

<212> DNA

<213> Mus musculus

<400> 491

```

tgtgctggag aagagaaacg agttggtaca cgcacagtgt ttgttggcaa tcatcccatt 60
tctggaacag aaccttatat tgcgcaaaga ttttgtgata atagaatagt ctcatctaag 120
tatacacttt ggaatttcct ccctaagaat ttgtttgaac agtttagaag aattgcgaat 180
ttttatttcc tcatcatttt ccttgtagag gtcacagtag acacaccaac cagcccagtt 240
accagtggac ttccactttt ttt                                     263

```

<210> 492

<211> 182

<212> DNA

<213> Mus musculus

<400> 492

```

gtggcacaag acttgaaatt gctttgaagg tgaggacatc ccctcccca cggccagcca 60
ccctcctctt tacgtctgta ccttgaaagc tgctgctgct gcttacagaa ttatatTTTT 120
ttcttttgaa gagttttaag aagttgtaac tttttgtgtc ttgtcatgta aaaaataaat 180
aa

```

<210> 493

<211> 868

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 666, 682, 690, 726, 735, 736, 743, 748, 750, 765, 781, 787, 819, 822

<223> n = A,T,C or G

<400> 493

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gaggaggact tacataccaa gcggctctcc atgcctccgg tgcgctctgg gcactctctc 60
ccgcactttg ccaaagtcgt tttttctgtc gcgatgtgtt tctgcgaaca ctggggcatc 120
ctctaggatc caccagcccc cacttttggg tctcagggtc agtcaactgg gactcctgct 180
tcccttcttt gaccacttcg gccctcctg aacacgggtc cctgtcttca atccaaatcc 240
aaagaacaga gtatagccag agttactcat tgaatgacac ctaaaactta gaccgctgtc 300
cccagtggac cccagagttg ccacccaggg ccgttttgca ttcacgcaca cgcttcaatg 360

```

- REPLACEMENT COPY -

```
tacagagtcg ctgtgtgttc aggcacctga ctctcaactcc atccatcacc tctaccagga 420
aagtctttct gccataagga aataaagaaa ctatgggtcca ttgttagtaa gaggcgcgtt 480
taaagctcat cgggtgatta caggaaatta ggaggattgg gcccttggat tccctagccg 540
gcagcaggtt ctttcttgcc taacatttat taatttatca ttgggttgaa acgttgccagc 600
tgtaacatg actaacataa aaggagagga tctgactcca ggatatatgt caaagagctt 660
tgcattctgc accggatagg anaagggaan ttggagaaaa gggtaaattgc ctataagaat 720
ggaatnctcc tggannaact cantaagnn ggaattttgg gaacnaggga aaatgccgaa 780
nggggttatt aaaacctaatt tttataccca aactgcatng ancagccggt ttttgccttt 840
tttttttaggt tggacaccca actttttcc 868
```

<210> 494

<211> 118

<212> DNA

<213> Mus musculus

<400> 494

```
ggggagctcc ttgtatttgt ttcccagggg gtgattagct ctttaaggagt gaaatatgga 60
gttgtagcagg aacactaaac gatgtaaaat aaatgactga agagtggaaa aaaaaaaaa 118
```

<210> 495

<211> 276

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 33, 43, 49, 62, 65, 68, 69, 84, 88, 100, 113, 138, 175, 196, 208, 217, 226, 228, 231, 252

<223> n = A,T,C or G

<400> 495

```
ctgacaggta ccgcctgaag natggttgga agnatatata gtntgggcna gggctgaagc 60
anacngannc tctaaacaat cagnccctngg agctggaacn cctgattgac tcngcctgaa 120
cgaaagatgg actggtangc atggccatcg ttggtggcat ggccctgggc gtggnatgcc 180
tggctggact cattgnactg gctgtatnca agtccanac ctgaangnag nctcacctgc 240
tctctgcccc gnacgcctat gacctggggg acactg 276
```

<210> 496

<211> 391

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 78, 83, 113, 236, 328, 335, 345, 357, 364

<223> n = A,T,C or G

<400> 496

```
tctgactatc cggaactaag gttcaangct accgatggag cgacttcccc acagcagccc 60
tgctgccttc ctgtcagngc tgncttgccg agtgagacca ggctgaggaa ggncacagac 120
agctgaatct ggaccagcga cacttcccag gctcctcctg ctggggcccag gccccgacta 180
ccctgcccct tctcaccact tccgccatgc tgcagagcca ccacaagcta aactgncagc 240
tgtgggcgtc ctcaaggtgg gcattttccct tttctttccaa ccgtggcacc caccatgaag 300
ccaggacagc acagggatac ccccaanaaa ttctnngccc cccanttttt tgaaaanatt 360
ttanaggttt taagcctttg gccacacaaa a 391
```

<210> 497

<211> 441

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 405, 409
 <223> n = A,T,C or G

<400> 497
 actgagggct cctgatcacc cagaccagct cacctatgga gcagaacaaa gagacctgga 60
 agatggagag acaggaggca gtagctaagg atccaggacc acaagccagc tattcattat 120
 tcttcaaaga gaaaatcaaa gaagagaccc agaaagaaat ggctgggttct ccattaatca 180
 tgtcacagcg tctgttgaca tttggggatg tggctgtgga attccccagc gaggagtggg 240
 aatgcctgga ctctgctcag agggctttgt acattgatgt gatgttgag aattacagta 300
 acctgggtctc tgtggaaaag aaacagaccc tttcatgggt ttcaagtaca cttttatctt 360
 aaaaggaaat gggttgcccg gccgtggtgg cgcacacctt taatngcana ggcaggtgga 420
 ttttttgagg gcccctggg c 441

<210> 498
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 498
 atgcctcccc gattctgaca gaaaagcagg caaacacagct cctgaggtcc aggcgacagg 60
 acaggcccaa caaacctgga ttcccggacg agcccatgcg g 101

<210> 499
 <211> 724
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 618, 673, 682, 684, 700, 702
 <223> n = A,T,C or G

<400> 499
 ccatgctgac ttattaacag accttagagg ccctgcgtgc ctccaaggag cccctggtga 60
 tccaggtgct gagacgcagc ccccgctctgc ggggggacag ctctgccat gaccttcagc 120
 tgggtggacag tggcactcag accgacatca ccttcgagca tatcatggcg ctggggcaagc 180
 tgcgcccgc caccacccc atgggcatct tggagccgta cgtcctccct ccctactttg 240
 ccattgaatc tgggtgggag aggatactgc aggcaccaga tgctaaactt tcctaacatt 300
 ttgaagtttc tgtagtttgt cctttgtcct gacacctatg tatatgttca aaatgttgat 360
 cttccactgc agattttgaa aagccttggt attggtcaag cggggagtgt gttcagtggc 420
 tccttctgag gagcagacgc ggtgttacat gactactgag agttgagtag aactctctgg 480
 atgtgttcag atagtggaaat tgctacattc tctgatgtaa gtaagtattt acagatgtta 540
 aatgggagta tttttatttt atgtacatac tctacaacta tgggtctttt tgggtacaagc 600
 tatgcactgg aaatgcangc cttcttttca aaaactggct aaaattttct taatcaagaa 660
 tatttcaaat ggnatttatg angnggaaac aattattggn cnctaacata tttagaagct 720
 aaac 724

<210> 500
 <211> 373
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 32, 34, 55, 81, 97, 99, 133, 144, 146, 164, 171, 196, 206,
 220, 245, 339, 347, 355
 <223> n = A,T,C or G

<400> 500

- REPLACEMENT COPY -

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gtcacatagc acgacatacg atagcacgca tncntatgtg aagctagggtg tagtngatac 60
tttcacagtc acaaattgcg nccctagcga gcgtagnnga accggcacag agaacagaga 120
acatacacia canaaggact ctengngatt tccactgcct tgcngtccac ntgggttccact 180
agccagacgc ccacangaga ctgtcngacc acagagagcn cacacgtaga cgcggaacgcc 240
gtggnaaaga gtctctgcat cccacggga cggatggcgg cggctccaca aggtgcgcgt 300
gcaccgaggg gcaggtggac cctctcacat ttcacaggnc tgccggncag aatgnccctc 360
ataaatgtgt gat 373
```

<210> 501
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 385, 407
<223> n = A,T,C or G

```
<400> 501
gactgagctt taaaatacaa aagctgggggt cccacatgc tgcattcatcc aaggctggac 60
agtacacaga acacaaatct caaatcagaa gtctcttgaa acagccgtcc tgatgggatg 120
gagactcatg ctgagaagat ctgaagatga catacagcat cgccctgtca ggcagccagc 180
taccagaagc tagctctcga agcccagcaa gaagtctctt gtggctttgg gcatctgtgc 240
ccagggaagg accatgcgtt gtgatgtctg ctgccagcag acaagcatct aagagactgt 300
gacctgatt actagctatc aaattgtgtt ttttgaaaag ttggcctgtg aatcaggcga 360
ttcctctgct gacttgcaaa gaggttcctc taaataaaaag cttatanggt tttaaaaaaa 420
aaaa 424
```

<210> 502
<211> 114
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 44, 64, 90, 93
<223> n = A,T,C or G

```
<400> 502
ccagtgtgca tgcttcantc atgttcacga aatggaggga cagncaggac gaggactaca 60
accngatatg ctgatatcat ttagggaggn cangtcttag agcacttaaa gctg 114
```

<210> 503
<211> 114
<212> DNA
<213> Mus musculus

```
<400> 503
tctcctctaa gccatgacct catccttaac ctgactcagg acgggatcac actactgttt 60
gatgctttca atcaagtcag aggcatttaa taaaattatc tacacaaaaa aaaa 114
```

<210> 504
<211> 249
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 135, 137, 139, 141, 142, 143, 151, 156, 157, 161, 163, 165,
169, 172, 177, 179, 198, 201, 207, 218, 231
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 504
aatgctggca aaggatgaac tggtagcat acttcagcgc tgtattgagg ttttagattc 60
ctctactgaa aagcagcttg gcaacacaac acagaaaata aaggatttcc tgacccagtt 120
tcagaacctc gatgntnana nnnaggaaga ngatgnntcc ngntnatanc cnacggngnt 180
gctgaagaca aaccacntt ntatctnctt aagacttntt actagtgatg naacttctga 240
ggactacta 249

<210> 505
<211> 122
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 37
<223> n = A,T,C or G

<400> 505
gacgtctggg gagctcctgc nttagggttag atctganggt tcccagactg ccttttgaga 60
ataaaatggg aggccagaac caaagtcttt tgaataaagc accacaactc taaaaaaaaa 120
aa 122

<210> 506
<211> 406
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 97, 116, 124, 126, 129, 134, 143, 159, 203, 204, 237,
238, 255, 257, 265, 277, 282, 285, 290, 295, 296, 299, 311,
315, 327, 345, 353, 359, 362, 380
<223> n = A,T,C or G

<400> 506
gaaacggagt gagtggatg gtaccacagc acagagggag ccaacagcat cagacttgctc 60
cttgacaggc atgcctgggt tnaaatctgc catgaanagc caggaggtgg cagggtcca 120
ggangntcng ggcntaatcc ttngcccaag tttttgacnc ccatgggttt tggacacagg 180
gtttttttcc cgtggcccta aannaatttt ggcacaaacc gtggtttaca attttcnnng 240
gggcacaatg gaacntngga ccccnaaaaa ccacctnttt cnaanaaggn gcccnngana 300
aggggaattt ngggnttttt ccccaantcc ttggtttttg gaaanaaccc ccnaggggnc 360
cnagggggccc ccttttcccn ggggggaacc caaccggccc aacttt 406

<210> 507
<211> 809
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 72, 106, 109, 145, 147, 160, 171, 177, 195, 227, 238, 261,
265, 287, 576, 595, 683, 767, 775
<223> n = A,T,C or G

<400> 507
caagcccaga tggcctggca tggagagaca tactgactga ttggaggcta ccgtgtctac 60
tggagatgca cngattccca cacctgcaga ggctgatcaa gaggantang ccagtgccca 120
ggcgggcttc caagagacag cgagntnagg aagaatcggn tcaagatcta ngctgtncgc 180
gtgcaaaaagt tcctngcctg aaattgaagc atgggtggcaa aggggtanccc cacattanat 240
gctgcctgag catcctggaa nagangaaag gctgctagct gcctcangag gttgagccct 300
cttcagcaat gccctctact gaacaccaat gtaggcagaa ccacagctgt tctgcctgca 360

- REPLACEMENT COPY -

```

tgctctgcag tcaagagccc acctgaatgc caactatccg tgagcaagaa gtctcagagt 420
agagttgctc tgacagcacc tgtctcttgg tctcttagag gcgtcttggg aagcagaaag 480
gggcggtctg ctctgagttg agctgaattg aggagacaaa gtgcagagag aagatacaga 540
gggaccaaac cggactgctc tctgagtatg ctctgntctt gaatcatgcc acagnacca 600
gcacaagcca ggagtggctg gacttttctaa acctggaaga aatgagcagt agttaataaa 660
ggagattctg gctaagatct tangagacag aataagaccc cgggcgaccg ctactgactg 720
acactgggac aatcagcaac cattcaacct accaggctct gtcttantta gtatntggct 780
gggactgggg agcctttgca caatgattt
809

```

<210> 508
 <211> 295
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 136, 139, 140, 141, 142, 146, 154, 165, 167, 168, 169, 173,
 176, 193, 209, 210, 214, 217, 221, 231, 234, 238, 239, 241,
 247, 253, 257, 270, 277
 <223> n = A,T,C or G

```

<400> 508
ggtgtaacgt ggtcattgct tcccgggaagc tggacagact aactgctgct gtggatgaac 60
tgagagcctc tctgcctccc tccagctccg ctgaagtctc cgccatacag tgcaacatca 120
ggaaagaaga agagnggann nntctnggca aatntacctt agctnannnt ggnaanatca 180
acttcttggg cancaatgga ggaggccann agangntcc ngtggaatac ntcnatgna 240
ngggatnagc atnctnggat acgaaaccan cctgacnggc accttctaca tgtgc 295

```

<210> 509
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 120, 126, 127, 131, 132, 143, 151, 166, 168, 183, 188, 189,
 192, 197, 209, 214, 215, 218, 221, 233, 236, 237, 239, 242,
 257, 259, 262, 286, 340, 343, 352, 370, 376, 382
 <223> n = A,T,C or G

```

<400> 509
atgaggcacg cagtgaaggt gaacggggaa gccactgttc tgacaacgca cttctctaaa 60
cttccatggc catctccaca ggaaacccag aggatctgtg agcaagtcg tattgccatn 120
gagganntaa nnatagtgtg ttnttcactt nctaaggacc agggantnac cctgagaaaag 180
ctngtccnna angctgncct ggacattgng gacnncangg ntcaagctac tгнаanngnt 240
tnttactgct ccatctnana gnactgaaga atggagacct gatttntctg aatagtgtct 300
cagtcgcatg ccaacaggtg cctgagatcc caaaagatan tanagccgca gnccttttga 360
tgctgaccan tagtgnggat tntgtgaaaa atgcacatta
400

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<210> 510
 <211> 186
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 60, 70, 87, 97, 107, 118, 123
 <223> n = A,T,C or G

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<400> 510
ggaacaaatt ctattatctt ccttcctttt aaagntgacg gaaattaaaa tgattgtacn 60

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- REPLACEMENT COPY -

gaagctgcan cataaataga ggcttgncctg agtgganacc gaagtngaa ctaccctnca 120
cantatgac ctgaaaaaga agtatttaac acattataaa aataaagggt tcaatctatc 180
ccatta 186

<210> 511
<211> 125
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 76
<223> n = A,T,C or G

<400> 511
gctgagaaga aagccaagggt aattgcagta atgaatgctg tggaagagaa ccaagcctcg 60
gtgctgtggg ccttgngggc atttgtccga gttcaataaa ctactacatt ttttaaaaaa 120
aaaaa 125

<210> 512
<211> 155
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 32, 39, 80, 84, 99, 102, 110, 112
<223> n = A,T,C or G

<400> 512
attccaaaat gttgcgngtg ccagcagctc anaacgtgna cggttcgact gataaggcca 60
ctccagctgc aagagaggan ctanacgggg cgaaagaana ancggagccn anacaagtgc 120
atcctgttca aagctcaatt ttactagtta caaca 155

<210> 513
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 52
<223> n = A,T,C or G

<400> 513
tggtgctggt gacagagacc ttttctctgg aatcgcggtg agaatggtat angactttga 60
ggacctggat tggcctgcgt gcacaccatc aacactacac ttgctgctgt ggactccact 120
attcctgggt ctttgttctt acttctttgt acagtaaagtg tacttcagca gtgaaaaaaaa 180
aaaa 184

<210> 514
<211> 295
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 56, 69, 72, 88, 93, 95, 118, 144, 163, 170, 207, 212,
233, 244
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 514
 actcatccct ggaaggcatg tgtggcactg ancatgccca gctgggggaa gatggncagc 60
 ggccgcccng gngcacttca actacctnat ctnantctga gccttcatag cagcttange 120
 accaaggcaa gatcctagca tccnaggacc ccaaaaagaa gcnagctcan aagccctctc 180
 acatgagaag aaacatacta catgaanttt anaacagatc aataaactat cancaacaac 240
 aganaactcc ccataaaact gagtcatcaa agggaaaaat gaaagataat attga 295

<210> 515
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20
 <223> n = A,T,C or G

<400> 515
 cactaagagc actggatagn taaggatcaag gagactctca caaaggatcc agagaccttg 60
 ggagaaggac aacaagaatg agtgtgtctc tggtaaatac accacag 107

<210> 516
 <211> 474
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 220, 236, 378, 396, 417, 441, 445
 <223> n = A,T,C or G

<400> 516
 gactgagacc ctgtgatgtt tccagtcttt ggctactgta tcctagcaca ggatgctgct 60
 ttgtactacc agtgtctaca agcttgagac tgtttatgac cataagtttc taaagatgtc 120
 tatcaaagaa tcttgtgcaa aggaagaaaa gtctcagaaa aaacagacta tctcttcacc 180
 aactttttaat gaagacaaga aaaagggaga aatctcagcn gggttctacta gttcanaaca 240
 tgggtgttcag cctgtttcaa ccaagaagag aaaactgaaa gcagatgata cagacaatgt 300
 agactataat gcaaacagaa aaaacagtaa aagattgaat gtagaagttt tcattcctaa 360
 aaagagacta aaattcantt cttcgaccca agcggnatca tatttaaata ataactnaat 420
 gacttcacac aggtggtcat naatnggacc taaagatcct aagggttaaag atgg 474

<210> 517
 <211> 376
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 320, 324, 357
 <223> n = A,T,C or G

<400> 517
 ctgagggtgct gatattttcca atgtttgcaa tgaagcagca ctgattgctg cccgccacct 60
 cagcccttct gtccaggagc ggcactttga gcaagccatc gagagggtca ttggaggcct 120
 tgagaagaag acccaggtcc tacaaccagc tgaaaagaca actgtagcct accacgaggc 180
 tgggcatgca gtggtgggct ggttcttgga gcatgcagac cctctgctga aggtgtccat 240
 catacctcga ggcaaggggc ttggctacgc ccagtacctt ccccgcgagc agttcctcta 300
 cacacgagag cagctcttcn accngcatgt gtatgatgct ggggggtagg gtaactnaac 360
 aacttgtctt ttttca 376

<210> 518

- REPLACEMENT COPY -

<211> 276
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 38, 50, 51, 54, 61, 75, 86, 99, 109, 118, 136, 140,
 146, 147, 148, 163, 178, 180, 185, 212, 224, 242, 248, 252
 <223> n = A,T,C or G

<400> 518
 ttgtgtggcc gaatanagnt tcggagtgcg aatgctgnaa gtaccaggcn ngcnggtctg 60
 nctaactctgc cctgnccata tgcctngaaa actatgcanc aagcatggna tctcgggnat 120
 cagcttgcta taagcngagn tgcgcnnnat ctctgcttgc gantgctaata gactggncn 180
 tgaantgctg accaggactc caccgcacct gnttgccaag ccantagctg gatcacaatg 240
 angctcangc tnaccccgga acgtaaggat ctacag 276

<210> 519
 <211> 271
 <212> DNA
 <213> Mus musculus

<400> 519
 ggaaaggaaa gtctctccaa caacgtaagg ccaagcctcc gaagaagcag gaggagaagg 60
 agaagaggag ggacttgggg gtgtatctaa ggagcagggt agagtgccag aggggtggggt 120
 gggaccctga cttcactggg atatctcggg gagggggcac ttgtgccctc caggtgtctt 180
 ccaagatggc taagaacaag gacttgccag aaagttcatc tgcacccatc agagtttaata 240
 aaatgtcgtg ttcctccccc aaaaaaaaaa a 271

<210> 520
 <211> 328
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 235, 292, 293, 295
 <223> n = A,T,C or G

<400> 520
 agactggggtg caacaaaacc tgtctcattt gaagggtgctt gaacaaatat tttctaaaca 60
 cttgtcatgg agagtgattg aaacaagctg ccaggactac atttgccaat aacaagcatg 120
 taggtggctg tagtggatgt ccaactttgg gagctgtgat gtctaaaaac cctttattgt 180
 tttgggtgca gcttacatat tggaaggtaa aatgaaggcc atgaacaaag tcaanaagcc 240
 ataaacagaa gcaaatgggg aaaattaata tcttaattta atattaataa gnngnatata 300
 aataaacagt tattctttaa aaaaaaaaaa 328

<210> 521
 <211> 153
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 40, 45, 66, 79, 90, 94, 104, 117, 137
 <223> n = A,T,C or G

<400> 521
 agcaagctgc acatgagctn tactagactc tgggagggan aagtngccaa gtactttctga 60
 accatntttt aatacttgnt ttgtcatggn gaanttatag cagntatccc aaaatgnttt 120
 aattatcaaa atactgnctt ttaaaaaaaaaa aaa 153

- REPLACEMENT COPY -

<210> 522
 <211> 283
 <212> DNA
 <213> Mus musculus

<400> 522
 gtctgggcag ctgagtcctgc atctcatctg ctctgctggg ccgcgctgcc cgggtccctc 60
 tggatggagc tggaccagca ggcagagctg cggtcctgtc ctttgctgag agtcagtg 120
 tgcgggggtct caggtcagct gggcgcttgc agcctgcgtc tccgcagtct gggaggtgta 180
 ggcggagagt cgtggggaac cgtgggtttg ggctcttgta aggggatttg taggaaaacc 240
 gcgaggtgag cccgggttct atgcacgttg tcaaaaaaaaa aaa 283

<210> 523
 <211> 105
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 56, 61, 74, 78
 <223> n = A,T,C or G

<400> 523
 ctgggaaggc catgctttcc ttggctagaa atctatTTTT ggaagtgtga agtggngcca 60
 nagtgtgaaa tggngtanta tcccttgatt ttccataaaa cctgt 105

<210> 524
 <211> 402
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 383, 384
 <223> n = A,T,C or G

<400> 524
 gcacgcatct gttcctgccg tatcggaact cgaagttaga gccgtctcag agcacaagga 60
 tctggatgca acctggtaac tgcgcagcac tctcagccaa attcttatca cctcagagga 120
 ctgaggatct tggccagagt caaggagaag acagaatctc ctagaagcct tccctggaca 180
 tcatctctca ggactcctat cctaagcctc cagtgaggag gacatgctgt tccaatctcc 240
 ctgaactctc agtctttcta cctaagaaga cagttcctct gtggaggcct ctgagtagcc 300
 caagcatcca tcgttgatcc ttcacatccc acagggtctt gggttccttg aggacaaggg 360
 ctgcattgaa ctcttttcat ggnnccctta accttaaggg gg 402

<210> 525
 <211> 365
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22
 <223> n = A,T,C or G

<400> 525
 catctgcaga ggcagagctt anagtgcagg attctggata aagaatactg agacaaggaa 60
 ggctttatct gtccttagt cgtcctctgc acagcacacg tcatcccacg tgaccttacg 120
 ccatctttct tcctggcggg ggcgtccac tccactgcgc agacgcggaa gcttcgctaa 180
 ccggcgcccg aagttgatta aggacttctc cgccggtggc accccttccc aggtctgggc 240
 tcggcatggc cgcactgctt gtacggagcg tgggtggcttc ggtggtggac ccgttcctgc 300

- REPLACEMENT COPY -

acctgagtcg cctcgcggtg aagccccgag tcttctctc gttcctgctg gggacattgc 360
cacgc 365

<210> 526
<211> 108
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 27, 33, 46, 49, 52, 70, 92
<223> n = A,T,C or G

<400> 526
tgcctacttg aagaatcngg aagaggngat ganggacact attganttn c tnaacaccgg 60
gtcctgactn tagcatcttt tccatgttct gnctgattgg actagctc 108

<210> 527
<211> 281
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 49, 50, 52, 57, 63, 67, 72, 86, 97, 100, 115, 130, 151,
154, 181, 201, 202, 204, 215, 223, 241, 256
<223> n = A,T,C or G

<400> 527
cagcttaact ctgaagaaac ttggtatgct taaagaaatg gacanagann tnaactnagt 60
agncatngct gngaagctgc agggtncaaa aaggatnctn cgggtccaatg agatnatcct 120
tgcagccagn ggcctgggtg agacagagct ncanataacc ttctccctcc agtaccctca 180
nttccttaag ccgagatgcc nncngactgc agatnatgtt gcncaggagg aagcgggtcaa 240
naacctgaac tatctngggc tataaaacct tagctgtgcg a 281

<210> 528
<211> 112
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 40, 42, 69, 93, 94, 96
<223> n = A,T,C or G

<400> 528
ggagtaaggc atgccgaggc ttnaggctac gtgactttcn cnatgctgga agatgcacag 60
agggccctna aggagatcac tacctttgaa ggnngnacga tcgaagcgac tg 112

<210> 529
<211> 368
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 263, 285, 326, 340
<223> n = A,T,C or G

<400> 529
aggatctatg actaagcttg cctagcgatc cctgacctag tctagtcagt gtgactacca 60

- REPLACEMENT COPY -

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acaacagcca tgaagaccaa gaaggcacia gaatctaacc atgacctgaa gttcaagctc 120
ataattttctc ttcttgagta agaaattaag atgttccagg aagatgagaa acttttataaa 180
actgctgcca agctctgggt tgcagaagac ttcacagaat ggaaggaata aaaaaactcc 240
agcagagggt ggtgagggtg ctnagtgggt aagagtgccg actgntcttc caaagggtccc 300
cagttcaaatt cccagcacca catggngggt taccaccatn tgtaacgaaa atctgattcc 360
tcttttgg                                     368
```

<210> 530
 <211> 428
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 37, 38, 39, 40, 43, 48, 49, 55, 58, 59, 65, 83, 92, 117,
 119, 122, 131, 139, 147, 159, 164, 176, 177, 180, 205, 218,
 387
 <223> n = A,T,C or G

```
<400> 530
ggaacaaccc agactggatg tctcccttgg caaancnnnn tgnacacnna ctgtncennng 60
aagtncctta ctgatggctg gantgatccc anatgcctgt agaaagccta cccagntng 120
antgatgact naaaaagng gccccngag ggtggccana cagnctgcgg ccaggnnnng 180
cgtgaggctc gatcatcccc aacantgct tctgtctnac caaccctttc cactggcctt 240
gtgagttctg taaatttctg gacttccaga gctgacaggt ttgttagggt tttgagtctg 300
tgaacctccc ttcagcccaa gaaagaaatc ttctcatcta gaggaagct atatgacacg 360
tctttacgtt tcttcttcat caactgnata gaaaaatttt gaagtcaaaa tggcttccaa 420
cttatggg                                     428
```

<210> 531
 <211> 152
 <212> DNA
 <213> Mus musculus

```
<400> 531
gctgctgaga accagctcta gatctctgct agagagtcct ccttctgcac aagttccccg 60
tgggataacc tgccatgttt ctctgaaact gtgtgtacct gttgtgaagt ttttcaaata 120
tatcatagga ttgttactgg taataaaaaa aa                                     152
```

<210> 532
 <211> 189
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 45, 48
 <223> n = A,T,C or G

```
<400> 532
accgtggctt ttgataccta tttattttaa canttggggg gtggntgnngt gcatctgaga 60
ccctgaagag cagggaactg agatcctggg ttctgggggtc tctatgaaat ctgttcacag 120
tgtcttcctc acttcctaca ttatttatta aacgattact ttttatatta agaggaggaa 180
ggagggaag                                     189
```

<210> 533
 <211> 140
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

```

<221> misc_feature
<222> 25, 37, 45, 53, 66, 73
<223> n = A,T,C or G

<400> 533
aaaacaaccg aggggatcaa actgngctca ttcttctntgc aaaanctgca canaagtctt 60
acgganatga aanacgattt ttttgccctc ctcccttgtgc gtatcttatg ggcagtaggt 120
tggaatgaaa agcaaaaaaa                                     140

<210> 534
<211> 185
<212> DNA
<213> Mus musculus

<400> 534
tgaagacaac aaacatcatg gcatacttca gtattacatt tatttcattg gaggtgactc 60
ttgggcctgt gcatggacac ccctttaaga caaattcagg gagatgaatt tgacagttct 120
accgtagtgg taagctgggtg gaagggtggca cccgaacaaa tataatttgg cacatatttt 180
taaaa                                              185

<210> 535
<211> 320
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 25, 37, 45, 55, 59, 70, 81, 83, 97, 112, 115, 121, 132,
137, 138, 173, 181, 197, 199, 248, 269, 274, 279, 289, 291,
298
<223> n = A,T,C or G

<400> 535
tctatgctac agcttaacca gatnncggaa tggacancaa ctgcntctgc tacancgtnt 60
ggctcctgcn cttgcaccat ntntctgcgcc tgcacanaac atgcagatgc angtnctgca 120
ngaataagct gntgctnntg ctgtcaccgt gggcatgctc caaatgtgcc canggctgag 180
ntatgcaaag gcgccgngna caagaagcac gtgctgggcc tgatgtgacg aacagcgctg 240
gcaccacntg gaaataggat cgggacaanc ccanggggnt tcctatgcng ntccaccnct 300
gtttactaaa cccccgtttt                                     320

<210> 536
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 50, 69, 110, 138, 153, 186, 198, 211, 229, 234, 244
<223> n = A,T,C or G

<400> 536
ctgctcactt ccttccctgc cagggacgag caggggtcga gaggggctgn tcttctagct 60
gacttctgnt ttcctctgga ctgtgcttcg ccagctgtc caggagccan cgatggcctg 120
cgggtggact tggaattnag ggtcagaatg gcnagggctc aaatggcctc tgactgacag 180
cttccnactg atgccgntt acttccaagc ncaaagaaaa atccagggnc caanagagga 240
tctngtccgc cctggcctat t                                     261

<210> 537
<211> 248
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 131, 135, 144, 154, 183, 192, 205, 226
 <223> n = A,T,C or G

<400> 537
 atgcagcatg gctacccagg gccaaagggtg aaacaggcta cagaatggag aacgagaatc 60
 tggggacagc cctgaagatg ccactagact gcctttccac ctgaggggtat gtgggaagga 120
 caaatgggtgg naccngtggg cacncacacc tgangcacat gtgccgtaga cccccaccct 180
 canccccacc cngtatgatt tcttnattgc tgcttgact tacctntccc atcgtcttgg 240
 agaataaa 248

<210> 538
 <211> 212
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 38, 44, 46, 48, 55, 97, 127, 160, 168, 184, 191, 192
 <223> n = A,T,C or G

<400> 538
 ccccgagtt cggtggatag agcgggntga gacctggnga ctcnngngc acacngcctg 60
 agacttgggc agctctctgc tccctgccag actcctnggc ctggaacagg tgccacactc 120
 cccacanaag gaaacctgac ctctgggtcat gtaagccan aacagagntc tctatgctaa 180
 tganggacct nnaggccctt gagggctcac ca 212

<210> 539
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

<400> 539
 accaacatac tggaanaaaa gaaccaagat ccgcaagtca tgctttgatt tccacgagca 60
 tgccccacata tataactccc acacaataaa taagcatatg tgtgtgtaaa aaaaaaaaa 118

<210> 540
 <211> 381
 <212> DNA
 <213> Mus musculus

<400> 540
 gccaatctgg aaaagaaaca ctctacatga tgaccatagg gacaactcca ttttgggggt 60
 ataacgaagc agaggagatc aacggatgca tttacacagc ctggggatga acagaggag 120
 gaagccctca caggcatcaa agctacctct ggatcccaga ggttgatgga gacgtgggag 180
 gagggttgca gacacagcac tgtgggccat taccacacag gaagaagcaa gtagcaacag 240
 aacacgccct ggtgcaggcc cgcacagagg gaaggatgag ggccactccc ggaaaggaac 300
 aaaaataata aagaggaagg ctcgatcgct atgggtgaact ggaccacaca cagcgggggc 360
 cgggccagga catggcctgc c 381

<210> 541
 <211> 328
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 44, 45, 52, 61, 214, 217, 219, 220, 224, 229, 230, 235, 237, 239, 241

<223> n = A,T,C or G

<400> 541

```
gcctttgaga aagtgggtcaa ggaatgtgat caaggaggta agcnnacagca gngggcgatct 60
nattccgggtg gacagcctgc ggaactccac cagcttcagg ccctactgcc ttctgaacag 120
gaaattttca agctcaaggt tctggaaacc ccgttattca tgtgtcaacc tgtcaatcaa 180
ggacatcctg gagcccgagt ctccagaacc aganatntnn ttnacatnn tgatncncna 240
ngattgaaca gaagggaatg ggcaaagccc agcctgccat ctaactgggc atgttcaact 300
ctactcctct ggtcctattt ccagagta 328
```

<210> 542

<211> 309

<212> DNA

<213> Mus musculus

<400> 542

```
ctccagagtc gatggagaag ctccaggccc agtactgtta cttatgttca gaaaacatac 60
ggaaaaactaa tcctttcata ctgaatatac tccaaaaact ggatgaagaa attgaaaagc 120
gacccaaaga aaaatttacc gtaaatattg ctggtaacaa tcgcttagac tccggacaaa 180
gaataacagg ggaagacttt tggcttcttt ccaaaacttt aaggaaccag ccatgtatca 240
gtgggtgtgga tgtgagggtat aacctcatcg gcgatgtcgg tgccttctat gctgcgaaac 300
tacttcagg 309
```

<210> 543

<211> 166

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 90, 106, 119, 121, 147

<223> n = A,T,C or G

<400> 543

```
tactaaaatg gccctctaaa tagcccaaca attattattt tctttgtcct atggatttgg 60
ctttgaaaga tgtgctgctc ttaataaggn aaaaaccaac ttttgnagct atttcatgng 120
ntaagcacat tcaaaagttg ctagttnaat aaatgagggt ctttaag 166
```

<210> 544

<211> 109

<212> DNA

<213> Mus musculus

<400> 544

```
ccaaaggact tcatggcaac ccgatttcta gtttcctgac atgtttctgt acatttgctg 60
tgccagggga tcaagcctga ataaatatcc tttgtcatca aaaaaaaaaa 109
```

<210> 545

<211> 448

<212> DNA

<213> Mus musculus

<400> 545

```
gactgagctc ctatatctta aagaagctgg atagcatctg aggacgggca gtcagggtgga 60
tgcatggcat gaagacctgg tgacggcttc tctcctgtc tgcagctgaa ttggcccaga 120
aagggtgtaag gctgattaaa cggacatata aactacttgt tgagaacaag taggactttg 180
agaactgacc tccatagctg aaatataaag ccacttggga agtgcaaaaa gatgtcttgg 240
```

- REPLACEMENT COPY -

```
gttcatggtg cccttaggcc catgaactcc acccctgtga gtgttgatgg agtgggttaat 300
aatgtcaggc tctaagggga gtcatttctg tttaccactt ctgttcaaag tggtattttgt 360
gaagtctgtt tggaagtcag catacaccca caatgacatt taagcacagt ctatatTTTT 420
aataaacatt ctgatgaaga aaaaaaaaaa                                448
```

<210> 546
 <211> 110
 <212> DNA
 <213> Mus musculus

```
<400> 546
gtacacggtc aacgttcttg gggcccactt ctgagtttag aagacctatt acaaaaagtg 60
aagaactaga ctgtgggaaa ataaatggct tttgactact aaaaaaaaaa          110
```

<210> 547
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 60, 118, 205, 219, 249, 269, 296, 305, 307, 309, 341,
 354
 <223> n = A,T,C or G

```
<400> 547
atggcatcga agattccctt tgccacagat ctgacagact atganaaaat gccagtgagn 60
ccatttggga aagtgaagcc cagcggagag gggacagcac aaaggcctat agaaatangt 120
gcctcaccat tagcagagct ggaggacaag ataaagcggc acacacagca gatccgcact 180
cgaagtttcc tgggtacaaa ccantgcaa gacattaana cagccaacca ggacctggaa 240
accactaana aacttcagga ggagttaang aaactgaaag tggagatgac cttgancaaa 300
gacntnctnt ttccattctt tacttggaag cctttcactt naccaccag catnacagcc 360
tcaaaatata ttttttaaca cgaaatccta                                390
```

<210> 548
 <211> 393
 <212> DNA
 <213> Mus musculus

```
<400> 548
gcacgcccc aaggtgaggg tctgacgccg taccaaggca agaagcgctg ctttggcgag 60
tacaagtgcc ccaaagtcaa gagaaaatgg atgagtggga actcttgggc caacatgggg 120
caggagtgca tcaagtgcc catcaacgtg taccgcaca agcagagacc cctggagaag 180
cctgacggcc tggatgtgtc tgaccagagc aaggagcacc ctcagcacct ctgcgaaaag 240
tgcaagggtc tgggctacta ctgtcgccgt gtgcagtgat cttggccacc actgtagcac 300
ccctcagctg ccacctccct gtgttgccca aagggtgtaa tgtccgcatg cttgaggaga 360
tgtcacgggc ctgtgggttt aagcaaaaaa aaa                                393
```

<210> 549
 <211> 505
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 36, 38, 57, 58, 67, 69, 70, 76, 77, 81, 102, 112, 115,
 116
 <223> n = A,T,C or G

```
<400> 549
tggaatccaa tccacagctn tcccttgctg accagntnct tgaactgacc acagtannnta 60
```

- REPLACEMENT COPY -

```

aaggccngnn tgagcnnctt naagatctta catgtgaccc anctgctgct gntgnnccca 120
gtaagtgaca gacagcacca tggagcacta gctccaacta ctactcaccc tccaagttag 180
gcggttgcca gtgtgagcaa tgaggggcag tgaggctggg ctgggaagtg ggggtcagca 240
gtgttaaggc tgtaggctat cataatgggg gttagacagc aaagtaattc ggtcagatga 300
gcagggtaga taagtggctg cgcagcaatg aggggtggaca gaaagggtgac agctggggta 360
agtctggaga agtgaaggag aactatacag tgggaagcaga gacacaaacc catccagggg 420
tgacttcctt ttgggtgcct cagagacggc ttaacttcac tcaatgtgta gaaagaaaaa 480
cgaatttttc tcctaaaaaa aaaaaa                                     505

```

<210> 550
 <211> 154
 <212> DNA
 <213> Mus musculus

```

<400> 550
gtaccccaaga ggttccacac aagtaccaag ttggagaatg ggtatatgtt aatagacatt 60
gtgctgaaca cttggaagca aagtggagag ggccgttcct ggtgttggtg accaccccaa 120
cctccattaa agtggatgaa gtaacaaaaa aaaa                                     154

```

<210> 551
 <211> 138
 <212> DNA
 <213> Mus musculus

```

<400> 551
atgccacagg acagccaggg ctaacacaga gaaaccctat cttgaaaaac aacccaaagg 60
ggaaaaaaat caatctggaa gaaaagctgg cttattaggg ctaatagtgt gggatttaaa 120
tatatacaac catggctt                                     138

```

<210> 552
 <211> 153
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21
 <223> n = A,T,C or G

```

<400> 552
cagacctttg ggggagcaca naaaatcatg tgtggatcct agacactgga acaagaacct 60
gtgaagttaa gttgccttgg agaccctgag atattagaga tgccagcgtc gtaggatacc 120
tgtgaggaaa gctactaaca cggagtagaa agt                                     153

```

<210> 553
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 94, 95, 105, 116, 119, 123, 133, 139, 170, 171, 176, 350
 <223> n = A,T,C or G

```

<400> 553
ctctgatccc gcttgctgtt cctactgaca cctgagccgc ggtggccgat gctgctgagg 60
cccttcagc ccacgagtca acctacttga ttgnnagcca tgccnttagt gaaganaanc 120
atngaacccc ggnacctgng ccggagcgcc ctgccggaag ggtcaccan ngagcnggaa 180
tgcgtgacca acagcacgct cgctgcaatc atccgccagc tgagcagtct gagtaagtcc 240
cctcggcatc cctggctacc gctgggtatc tacagacttt acggtagcca gtggatttga 300
cttgtgagtg gcaactgtga ggaaaagcgt cttcctccat acgccacggn caatgactgt 360

```

- REPLACEMENT COPY -

gtcaagccct gggctgctgg

380

<210> 554

<211> 259

<212> DNA

<213> Mus musculus

<400> 554

```

gggtgtgtgt gaagggtgcct gaggccagaa gaggctgtca gatctggagc tgtagttgca 60
gatggttgta agccaccgaa cacaggctct tctgtaactc ttccaaagga agcaatgatg 120
tggctcgtta gacccgaggc cgaagctgca gccgtgcact gaagcagatg ggaaaagctg 180
aactcgccac ccacgagcag cgccggcagt gagctccacc cagcatgaca cggcggccca 240
ccctccacac aaaaaaaaaa

```

259

<210> 555

<211> 394

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 51, 52, 83, 93, 97, 102, 106, 115, 117, 118, 123, 127

<223> n = A,T,C or G

<400> 555

```

caaaactgta caatctaaag tggactgcat tttgcaagaa gntgagaagt nnacagacct 60
atagaaactc tacctctacc ttnaactgcc ttntggncct ancagngcag agaanannga 120
tcngaangcc atgtcatcta gtcgggcaca gcaaatgcat gccttttcct ggattcgaaa 180
taccttagag gagcatcctg agacgtcact ccccaaacag gaagtctatg atgaatacaa 240
gagctactgc gacaatcttg gctaccatcc attaagtgtc gctgactttg gaaaaatcat 300
gaaaaacgtc tttccaaaca tgaaggcacg ccgttttaggc actagaggca aatctaaata 360
ttgctacagt ggactaagga aaaaagcttt tgtc

```

394

<210> 556

<211> 297

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 43, 48, 51, 53, 59, 60, 63, 66, 70, 80, 82, 88, 91, 106, 113, 126, 136, 142, 145, 146, 177, 199, 271

<223> n = A,T,C or G

<400> 556

```

gtgggtttgg gctgagctcg agtcctcacc agagtcttca nanataangt ncngaggann 60
tanatntgan gccagcctn gngggctnaa nggaaaccta ctatgnacaa aanaaaggcc 120
tacggnggaa tgcaanacct gncanncagg caccatgggt ggcagccatc atgcttncat 180
gaccattggg cctgctggnc tacctggtct tagcccagga agccaccagg taggttaggg 240
tggtcagtgc cgagtctcct gcagacacag ntatacctgt ctttctgcac tgggtcca 297

```

<210> 557

<211> 208

<212> DNA

<213> Mus musculus

<400> 557

```

tgagttccct ctgaggggact cggcagctcc gaaccaagct gtggatcttg ctctctaagg 60
gaacctccag aaactcagct tgtgggctga gccagggtct gtcacgaat cagggaactc 120
tgtgaccatt tgggtgtgagg ggaccatgag aacccaaaac aagtaacatg gaataataaa 180
actattttaa ttggcaccaa aaaaaaaaaa

```

208

- REPLACEMENT COPY -

<210> 558
 <211> 389
 <212> DNA
 <213> Mus musculus

```

<400> 558
tgtccggaag gcagaggcaa actcatctcg gagagtttct gaacttgtgt ggaaatcagg 60
atgtgtggga attgaattta ctcaagtgcc aacttacctt aaactcctaa tcctccagca 120
caccctcgca actgctgcga ttataggctc gcaccattat acccggtctt ttagggcctc 180
ttaaaaagag ggagcaaatg agagcgatgg ccccggtggg gaagttgttt gccactgtat 240
caacaatgct agcctgacaa cctgagttgt ggaaagacaa aatgaaggcc acagagatgt 300
cctctgactt ccacactggt gcagatggca aatccaccca cctacgtgtc acacacacat 360
aacaacaaca ataataataa taggcatat
                                     389
  
```

<210> 559
 <211> 222
 <212> DNA
 <213> Mus musculus

```

<220>
<221> misc_feature
<222> 43, 55, 61, 62, 68, 75, 91, 99, 106, 113, 135, 144, 150,
158, 159, 160, 171, 173, 189, 195, 199, 201
<223> n = A,T,C or G
  
```

```

<400> 559
gtctgcaaac atgcatgtac acaccatac ctgagagagg cnttgcattc ccggnctaag 60
nncaagancc atgcntacac atatggcgtg nggagaagnt gaagcnggtg ccnatagcac 120
ggagagagcc atggnatctt tttntctggg gactactnnn tagtgcttca nantggccga 180
taggatgant gccgntcang ntactgtgct gcttctactc ag
                                     222
  
```

<210> 560
 <211> 250
 <212> DNA
 <213> Mus musculus

```

<220>
<221> misc_feature
<222> 139, 141, 144, 147, 151, 154, 158, 165, 168, 174, 176, 197,
201, 205, 210, 211, 213, 219, 223, 227, 231
<223> n = A,T,C or G
  
```

```

<400> 560
gtcaatagaa tcttcgtccc ctgcgcttga gcttcaagtg cacctcctct tatcatgcc 60
tccctctaca ggctgggaaa tctgccaaca gacgatgacc tgccttgact ctgcctgaca 120
ggcagacttt ctttttttnt ntgnntnaaa naancggnaa acagntgntg acanangtgt 180
gtgcccgtgc gtgcgtncgt ncgtncgtgn ncngggttng aangggngcc ntttgaggcc 240
aaaatagggc
                                     250
  
```

<210> 561
 <211> 262
 <212> DNA
 <213> Mus musculus

```

<220>
<221> misc_feature
<222> 22, 28, 36, 70, 74, 78, 90, 91, 106, 115, 117, 128, 149,
160, 168, 180, 187, 189, 197, 199, 216, 222
<223> n = A,T,C or G
  
```

<400> 561

- REPLACEMENT COPY -

gagtggagcg agttgcaggt anctgaangg cacttncagg cctagaggga ttgttctgct 60
 gccaaaggaan attntgcnat ggcttgtacn nacatatgaa cgttgnttgg atatnancga 120
 ttttttagngc cctgaagatt ttgataccna ccagagtctn ctggaaanag cttgtcctgn 180
 ataccangng gatgctnanc tcatagttga atcatncccc ancttcactg agcagacctg 240
 atctcagaag taacactgac tc 262

<210> 562
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

<400> 562
 ggacggagcg attctnacgg aggaaggagc acgccaacag ggcttgactg cgtacagaca 60
 tgtccccctc aataaaaattg cagttgaaat ggaaaaaaaaaaa aaa 103

<210> 563
 <211> 242
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 68, 83, 101, 104, 113, 123, 124, 133, 136, 145, 154,
 158, 161, 171, 190
 <223> n = A,T,C or G

<400> 563
 ctttcctcac tgaagttgct gctctgnagt ggaatctcac actcagctta agaaagtcaa 60
 gtgatacnga ttggagccat cantcatact ggggaagcta nctnaactac ccngaacttg 120
 atnnatggga aanaangggg ttccnagaca actngaanc ntggatgatg naatgggtat 180
 tatgccctn aaataccaat atagcctttc atctttttct gaaagtatta ttctcataag 240
 ga 242

<210> 564
 <211> 423
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 43, 46, 60, 63, 94, 171, 178, 181, 184, 191, 193, 195,
 207, 211, 214, 215, 218, 220, 222, 224, 226, 229, 234, 238,
 250, 254, 269, 271, 290, 292, 300, 309, 312, 315, 323, 332,
 350, 351, 355, 370, 396
 <223> n = A,T,C or G

<400> 564
 gcatggcgcg cgggatgcct tcaggggcgc aagcacctca tgntcncctt caacctgctn 60
 ttntggggaca ttgccagagc caccaacatc ccanagaaca aacaagacca tggcttctctg 120
 cattggggcag ctccctgcta cccatatcac aaatataagc tgttacagga naaatganca 180
 naancaagaa ncntnggaag tgcgagnaga nttannaangn gnantntgna gaanactnga 240
 aactgaagcn aatnacagat ttcaagggna ntcttctgct tggaccctgn tnacctgaan 300
 atgaatccnt gntanagtgg cttagatgcc angttctgcc tagctaggen nactnacaac 360
 ctctgcaggg agagccttgt gtcttttagct atgganctgt accatagagt gtgcatttct 420
 ttg 423

- REPLACEMENT COPY -

<210> 565
 <211> 197
 <212> DNA
 <213> Mus musculus

<400> 565
 ggctttgccc tctcagaggc catgggggctc ttccgccatgt gacgcagccg tctctacttc 60
 cagctctcaa ggatgggttct ttctgtgtctc gtctgcccctg tacgggtcctt ttctgtgtacc 120
 tccccaagaa ggctgggggaa aacgcttggc tcagggtttga cagaaaacaa ataaatactg 180
 tagtaataag aaaaaaaa 197

<210> 566
 <211> 353
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 52, 61
 <223> n = A,T,C or G

<400> 566
 gcactgctat gtcggggggag atggacaaaag ccgctgatca gccgccgcct antggacacg 60
 ngatggcagt ctggctgagg tccccaagga ggcccccaaa gtggggcatcc tgggacagtgg 120
 ggattttgcc cgttccctgg ccacacgcct ggtgggctct ggcttcagtg tgggtgggagg 180
 gagccgtaac cccaaacgca cggctggcct cttccccctcc ttagctcaag tgactttcca 240
 ggaggaagcc gtgagctctc cagaggtcat ctttgtggcc gtgttccggg agcactactc 300
 ctactgtgc agtcttgctg accagttggc tggcaagatc ctctgggatg taa 353

<210> 567
 <211> 160
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 35, 37, 40, 52, 75, 84, 92, 97, 102, 109, 113, 119, 127,
 135
 <223> n = A,T,C or G

<400> 567
 tgacagatgc tgctgggggaa gctgggtgtg actnnangcn gttaccacct angagttata 60
 tacagatttt gatcntaacc tggnatgact gngcagnttg tntggagant ttnatctgna 120
 ggcccgnaag ggccnggaag gatggggggc ataaaaggca 160

<210> 568
 <211> 137
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 38, 42, 44, 49, 96, 100, 110
 <223> n = A,T,C or G

<400> 568
 ccatgacaac cagtcatac cctcangaca ggtataangc ancnggtgnt atcttctttg 60
 tgctgggcct ggggacactg ggtaccctgg aataantctn atgaccgttn catgacattt 120
 cacaagccgc ctggacc 137

<210> 569

- REPLACEMENT COPY -

```

<211> 263
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 37, 55, 97, 111, 118, 126, 127, 130, 146, 147, 156, 171,
175, 186, 190, 228, 229, 239
<223> n = A,T,C or G

<400> 569
ggagaacgga ctattacatg cgctcatctt caggncnccc tccctccaga gaacnagctg 60
ttgcagaacc aggacacgga tgcttgagcg aatcgancca agggatcgcc ngacatgnat 120
tcctcnntcn ttatacacca caacgnnaga gcatgncacc cagcagcttt ntgancacac 180
acgtanccgn gaggatagaa tatcgagaaa aagggaaaga gaaggacnng gatgccaana 240
aacacaacct tggaataaat aac                                     263

<210> 570
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 23, 25, 49, 52, 54, 55, 56, 57, 61, 67, 70, 71, 72, 76,
79, 85, 86, 88, 97, 155, 177.
<223> n = A,T,C or G

<400> 570
aggagtttac actgaganct ctncngtgta ctgactatgg aactgaatnt cnannnnctg 60
ntgtcanacn nnaatnctna agacnnngna agtaaanact gtatggatga ccctctaagg 120
ctcaacctct ctatctaatt gtatatggcc ttaanagaga taattgagtt ggggtggngat 180
aactggtcac ttgagttcaa ggccacctgg tctacaaagc aagttccagg acagg      235

<210> 571
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 25, 37, 74, 106, 148, 195, 248, 291
<223> n = A,T,C or G

<400> 571
atgcaattat aaatccaana ccatngagcc cttttgngat ctgtccctgg aattccctga 60
acgataccac tgcntataaa aggggtttga ccctttgaat cagacngagt gcctgctcac 120
tgaaatgcta gccaagttca ccgagacnga ggccctggag gggagaatct acgcttgtga 180
ccagtgtaac agcanacgac gaaagtccaa ccccaaacc cttgttctga gtgaagctag 240
gaagcagnta atgatctaca gactacctca ggtcctccgg ctacacctta naagattcag 300
gtgggtctggc cgtaaccatc gtgagaagat tggggtcatg tatcttttga ccaggg    356

<210> 572
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 18, 77, 91, 107
<223> n = A,T,C or G

```

- REPLACEMENT COPY -

```

<400> 572
cactaacagt catgacnnat ctgggtgatca tttgggtctga catgtgcaca tatttcaaca 60
agactaggac tgtaganaga tcaggactat ncggattatc atagcancca gaactggcca 120
gaagatgcaa gctt 134

<210> 573
<211> 188
<212> DNA
<213> Mus musculus

<400> 573
gatgagcctg cccgcaaacc agatcaagga gcccggcaag cagtctcagc ccgcaaaatc 60
gctcaaggaa ccagtcagg aggtctctgcc tgtaaacctt ctcaaggagc ccagccagga 120
gtcccggatc ctgtgccctg acccggccat cgtaagtga cccctgcgtg gccgctgaaa 180
aaaaaaaa 188

<210> 574
<211> 188
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 25, 26, 35, 49, 54, 79, 85, 121, 135, 161
<223> n = A,T,C or G

<400> 574
tacactgatt aaacactttg agnannctgg tagcntataa ttaggatgnc tgnccccaca 60
cactccacac tgcaggggna ctgcntactg aatataaagc tgtggaaggg acatctctgt 120
ncggacctcg agaangtcta cagctctgat cgagaatgga nttggaagcc atggctaaat 180
tacatatt 188

<210> 575
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 48
<223> n = A,T,C or G

<400> 575
ttccaagagg accttanaaa gggcttgggc tgtatctgct ttgtgttngt ccctgcctgg 60
atgtgaacat ttgaactgac ctttcgaatc aatgctcatg cctgaagcac gtctatgata 120
ctcatctgcc gtaggctgga aagtgaggaa caagtggggt gtttgggcac cccacatcct 180
ctactatgga aatgtctaca agattcgtgt tggatggttt aaaaaaaaaa a 231

<210> 576
<211> 558
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 195, 206, 210, 213, 233, 255, 267, 287, 291, 307, 309, 340,
348, 358, 366, 367, 378, 403, 442, 455, 492, 496, 509, 538,
541
<223> n = A,T,C or G

<400> 576

```

- REPLACEMENT COPY -

```

gtgacacgat gatggtcgct ttcactctcc ttccaggagg acgctccgga gttcgattcc 60
tcgctgtcac attcagtggt gtcactatct tgctggatct gattcacccg gaggaactgg 120
gaatggcgcc tgactcgtct ttgttcaagg taggcgctga ccaaagccac ctcggaatcg 180
gttactgtgg aaacntgggt ctgctntggn ttnttcatca ccagtgaaga gtnccaggac 240
ccttctctat tttgncgctt acaggangtt tctttgcttg ctaatcnaca naacagacaa 300
acaggtnang caataatagt actaacagtc atgaataggn tgctatanaa aggtcagnga 360
agcctnnagg tgggtggtnc tgccctttaat cccagcactc tangacaaag aggcctagac 420
aaatagatct ctatgagttc anggctagcc taagnctaaa agttgagttc taggccagat 480
agggttacaa cnggangatc ctatcttana taaatgaaca aataaaccaa gttacctnga 540
ncacccaaaa aaaaaagg                                     558

```

<210> 577
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 52
 <223> n = A,T,C or G

```

<400> 577
gatgaaggct tctctgctct aggcctttccc tcagaccctg aagacatctg tntctcattt 60
cccctctgcc ccaataaaga agtttctatg tcaggcaaaa aaaaaaa          107

```

<210> 578
 <211> 232
 <212> DNA
 <213> Mus musculus

```

<400> 578
agggcgccaa aggcgacgcg ctggcggcca gctccaagcc aaccaggccc attgcgtccg 60
tctgcaggaa cctgtccctt caccctgctt tggacactga gcttcggagg atctggctgc 120
gagctgattc aacgccaggg cgccgcctag aggtcggctg cgctctcggt ctcgctcacc 180
gaccacagag ctgcttgctc aagccacagt gtcagactta aacaaaacaa aa          232

```

<210> 579
 <211> 136
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 75, 89, 110
 <223> n = A,T,C or G

```

<400> 579
caatacctgc ttggaaagcc atactgtaga cacttaacca gatatggcct gggggaagtt 60
ttggaaccag attgnttcct gcaaagctnc tttttactgg tttggcttgn atctaattgg 120
ccttttaagc taaaac                                     136

```

<210> 580
 <211> 397
 <212> DNA
 <213> Mus musculus

```

<400> 580
aagactgagt gcacttcaca gcaaaaatga aaacggaatc attaaaatgg ttgaacacag 60
accaattctt ttaatttaca atttgctgaa aaatcattgt cgctgttttc accctatgaa 120
ccctactaag agaacggttt ctgagagcgc agccgcagcc gcctggcacg gcctacgagc 180
gagcgccagg tgcatttgca cactgactgg aagaccacgt gggcaggagc agggtaaggc 240

```

- REPLACEMENT COPY -

```
accactctgg acagtaaggt agcttgacgt aacaagagtc agcaccacga gtgggtgctc 300
agcaaatact tgaataaatg aaaaccataa ttagcacgat tctgttcac gccagcaatt 360
cttcaacccc aataaaatac ctataaaaaa ccaaaaaa 397
```

<210> 581
 <211> 261
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 37, 73, 92, 101
 <223> n = A,T,C or G

```
<400> 581
gtctcgctga aagagtcggc tgtgatctac agcctgngga cccacaagg ggtgaggtga 60
cgtttaccac canccaggtc tccgagggct gngtagctca ngctgccaat gctgtgcgtg 120
aagtccacgt tctcttctct gattttcccg gagttactgt gagactccag gataaagaaa 180
gcagaacaca gaacacagaa cctgcccaca gtgaaagctc tagtttggtt gttataaaatt 240
ttgtcattat taaaaaaaaa a 261
```

<210> 582
 <211> 232
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 32, 35, 40, 45, 54, 55, 57, 74, 76, 86, 107, 120, 129,
 178, 179, 181, 183, 187, 188, 191, 212
 <223> n = A,T,C or G

```
<400> 582
cacagggtca gaatccatga ccatcatgnc angangtatn gcagngtgca gatnngngaa 60
taaacaattc cagntntctg ctgcancatg ctgttaactg tggattnact gtgtgcaagn 120
ctgttttana ttttttaatc taagcaccac tgaatcttat taaacgtggt ttttgggnng 180
ntnggttngc ngggatctgt gagagctcat gngggttttg gcctcagttt ga 232
```

<210> 583
 <211> 450
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 37, 77, 78, 286, 289, 325, 371, 373, 397, 410, 427
 <223> n = A,T,C or G

```
<400> 583
gaaggacagg agaccagcag gagctgggat gaagcangat acatccaaaa gacaaaaaga 60
attggcccca gccccnngc caccctgcaa actaaggcat ctcatttctg tggccaaaga 120
gaagggggcaa atggaagtac ccaggagagg agctggccca gggccctcag cccagctcca 180
gaaggggtgac cttctctcat taggctcagg taaaggtagc attacccaaa gcctccctca 240
tttcatgatg gaagattctg gaacaaatgg gaatgccagt aaaccncna cagccaacac 300
agggcagctc aactttctct gtgtncctaa tttcttggtg tgtgagtggc aatccctaatt 360
tgcctttcta nanaagaaat tcactctgca ctagtanagg attctactgn agacctctcc 420
ttgaganctt tcccactcac ccctgatgat 450
```

<210> 584
 <211> 367
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 33, 35, 38, 41, 230, 245, 267, 287, 303, 307, 308, 317

<223> n = A,T,C or G

<400> 584

```
ccaaagggaa atcatcacgg gnccagccag aanancanct ncacttcaat tgggtctcca 60
tggggagaag tgcttggtaa aagggtctgc acatcaatgg ccctgtttcc tggaacttac 120
agacaagttc tcagtgtatc cagcaatata ataccactg ccggaagact ggagggcaat 180
ttactcaact gggaagtttc atttgaaact ctcttctaaa aatattttcn ggggctggcg 240
agatngttca ttggtaaaga gcaccanctg ctcttctgaa ggtcccnagt tcaaatcca 300
ggnaacnncat tgggtggnctc acaaccatcc gtaaccgata tcttgatgcc ctcttctgga 360
gtattttg                                     367
```

<210> 585

<211> 163

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 39, 42, 44, 59, 60, 74, 87, 102, 126, 134

<223> n = A,T,C or G

<400> 585

```
cacatgcgta ctgtgacatg ggtgtatgcn tacacatana cncncgtcct cacgttgtnn 60
gaataaaaatt aatncctttg ttgcacnctg actccacatg cngtcctgtg catgggtgta 120
tgcatncaca taancacaca tccacacggt gttaaataaaa taa 163
```

<210> 586

<211> 241

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 20, 56, 59, 60, 61, 67, 68, 82, 123, 127, 130, 131, 138

<223> n = A,T,C or G

<400> 586

```
gcctggacat aggccatann aactactgcg tggaactctc acatgggctg cctatnaann 60
ntggctnngt tccatatatc tncgtctctc caatttgaga gaatccgagc tcgggtcccg 120
gcnatcnaa ntcctatnct gaagccccta ttctctagaa agtataggaa cttctcgacc 180
tgcaggcatg caagcttcga cctcgacgct gagaaggagt gagggctgga aaaagaaaaa 240
a 241
```

<210> 587

<211> 261

<212> DNA

<213> Mus musculus

<400> 587

```
gcagaggtgg agtcattggc gagatggcaa gctggaaaga aaactcaaga actccttgta 60
agagccatgg aagttaagga aggggaggaa atcaacttga acacacgtta agatgccttt 120
ctcgctctcg aaggatcctg agtcactgcc ctcaattact atgaatccct ccaaaattaa 180
ggccgtttct atggtgcttc tctacaataa ttatgtggct ttataattag ttgataaaat 240
attaagactt aaaaaaaaaa a 261
```

<210> 588

- REPLACEMENT COPY -

<211> 239
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 86, 125, 134, 138, 172, 177, 180, 182, 183, 185, 187, 211
 <223> n = A,T,C or G

<400> 588
 atgaacctct agtcttgctt tgaaaaaagc tattttgtgt aactcttgac tgtgaataca 60
 tttctaatac agccttttga atcgtnacgg gacaagtgtg ccatgggtcc ggtcgggtcca 120
 gaggnacatga ttcnatgnac cgaatgacag gatgacaacc atccataaag anatctntcn 180
 cnntntnatg gagggctgga gcacatggta nacggtactt acatataata aatacctaa 239

<210> 589
 <211> 267
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 68, 81, 82, 83, 92, 93, 97, 108, 117, 119, 125, 132,
 146, 148, 153, 156, 157, 195, 198, 199, 201, 210, 213, 215
 <223> n = A,T,C or G

<400> 589
 atgaactggc cattcatacc tcgagggaga cgacagggnc cattgagcgg atgtgctttt 60
 ctggatcnag tggaccacag nnnagcttga anngtgngcg atatctcntg ctgaccnana 120
 tgaanccttg anattctggg aaggantnct agnacnngaa tcctattgac aatgtgagct 180
 cctctgagtg tctgngannt ncttccacgn tcntnatctg ttgcagcaag acccttttct 240
 acttgaattt gtttaatatg gttaatt 267

<210> 590
 <211> 321
 <212> DNA
 <213> Mus musculus

<400> 590
 acactgagtt cagaatgctg cagtggattg tacgaggggtg gaaaataacg aattaccttc 60
 tccaaatctg aactcaagta tgaacgtggt caggatgggc caaaatgtat ctctgtcttg 120
 ttccaccaag aacacatcag tagacatcac ctattcgctc ttctggggta caaaatatct 180
 agaaagcaag agaagacgag ggggagctgt ggatttccac ctgaggatct ccaatgccaa 240
 cgagtcaggc cctacaaat gcaaagtcaa tgtttccaac ttgatgaaat acagtcagga 300
 tttcaacttc aaaaaaaaaa a 321

<210> 591
 <211> 344
 <212> DNA
 <213> Mus musculus

<400> 591
 ctctctgaca gactatgtgc caggaaaaga ctgtctgctc tgagctacca ggcccctaag 60
 gagtactgtg acccagcggg gttgcaaccc attggagtga ccgcttcagc ctaggaaata 120
 ccactcttac agtcaagcga gcaatggatc aaaatgctaa tcagccagga caggagagac 180
 ccagcgttcg cctggaaaag ctacagcact gggcaagaca caagcaaagt ggacgcctac 240
 tgggtgctggc ggtgaggcca gggtgccccg cttcagggtt tcgctgactg tacacagttc 300
 aattccactc atgttcagtg agcacaaacc atgcaccaga aact 344

<210> 592
 <211> 124

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 71, 106
<223> n = A,T,C or G

<400> 592
gacgtctggg ctctccttac ttagttattc ttgcttttaa cttatgtaag ttcctgtggt 60
gactccatgt natatgtagt gaaattactg tatatagttt ctattnaatg ttaaaatgct 120
aaaa 124

<210> 593
<211> 848
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 211, 275, 580, 585, 602, 657, 669, 736, 754, 775, 778, 791,
798, 803, 804, 812, 825, 828
<223> n = A,T,C or G

<400> 593
aaaagtccaa tgtatcagta gaagagaacg taattttgga aaagccttct catgtggaac 60
tcaaattgcgt gtacacagca actaaggatt tgaacttgat gaatgtgact tggaagaaag 120
atgatgagcc ccttgagact acgggtgact tcaatacaac taaaatgggc aacaccttaa 180
ccagtcagta caggttcacg gtttttaata ncaaacaatt gggaaaatat tcttgtgtct 240
ttggagaaaa ggaactaaga gggaccttta acatncacgt acccaaagct catgggaaaa 300
aaaagtcggt gatcgcttac gtgggggatt ctactgtgct gaagtgtgta tgtcaagatt 360
gtcttccttt aaattggact tggatcatgg gtaatgaaac cgcacagggt ccatttgacg 420
ctcactcgaa tgaaaagtat atcatcaatg gttcccatgc caatgaaaca aggctcaaga 480
ttaagcatct tttggaggaa gatggaggat cctactgggg cgtgccccct ccagttaggg 540
gagaagttag gagcaaaatg agctgggttg gctgagcttn ctggngcccc tcaagccatt 600
tntgggcata cttgccgaag tcatectctt ggggggcatc attctgcttt gtgaagnggc 660
cccccccnng aaaaagaatg accccaatg cttggggaaa agaaatttga accaaattgg 720
accagctgga aatcanatga tagccatggc ttanaaaaaac aatgggtccc cggtncanaa 780
aaactggact nttggcgnat cannggaata cncgaaagga gcttntcncc cttggggaaa 840
aaaaaaaa 848

<210> 594
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 25, 33, 48, 64, 71, 77, 84
<223> n = A,T,C or G

<400> 594
gaacagacag agctgnngat cattncacta agnacttcac tgacgcgngg ctgaaggagc 60
tgtntggact ntctccnagt ccancagtcg ctgggcacca cgaaagaact gcataaggag 120
c 121

<210> 595
<211> 160
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 16, 41, 49, 52, 57, 58, 69, 77, 78, 81, 102, 117, 142
<223> n = A,T,C or G

<400> 595
ctgaggagac acacangtgc acgatgctac tgaaacagta natcttcnt gncaagnngc 60
tgactcang cttcctnnat ncttgagtg actgcgacta gnagagcctg ccctacnadc 120
atggctggcc cttcctgaag gncaataaag agtgtgaaac 160

<210> 596
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 38, 53
<223> n = A,T,C or G

<400> 596
gcaactggga aacaagtctn cctggtagca tccacggngc caccacacgc atnaagagcc 60
aatcagggat gtgtcgcccc gcccatgaag accttcgtta tgttcctggg aaaaaccacg 120
gtgcttgga ctcagaacat ttctctcagt cgcagagccc ttgatggagc caaggatacc 180
ttgccaccct acagaggact cgggggttcca cattcgctcc ctgccagcct acctgggtccc 240
cagaatgatc ctaaagccca ggggagctcc ctgaagcctg gagctactga aaagcactca 300
accggggaga aggtcaaaca ctcactgaag gctctgacct gtctctgcgg gcaggtggag 360
tagtttcata ggatctgtca 380

<210> 597
<211> 402
<212> DNA
<213> Mus musculus

<400> 597
gtccaagaag ttggctgccc taaccgaagc cttgaaagca gtctcgctca gtaaggccca 60
gctgggggta gagttgccag aactggaagc cgccgcactc ctgctccagg aggaggaagg 120
tgctggaaga gcagcccagt gcaatccctc gcatcaggct ccacactcca gtcccagacc 180
cagtgactcg gacagcacct catcctctgg cacagaggac tcagcgctcag agcaagagga 240
gcctgctggg acccagccct ccctgctcac ttctctgcaa gcccacttt tggaagagga 300
cagtgccttg atcatcaggg agagtgggct ctgcagaaac atggccagcc aggggatgtg 360
aagcagtcaa ggacaagcca ctggcctccg gccgggctct tt 402

<210> 598
<211> 104
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 39, 49
<223> n = A,T,C or G

<400> 598
acttttacaa gtctacctgt tcgagaagaa ntgatggcna aatactcana cctttcctta 60
aagagctgta atatctcagt gactggatga agtccaatgt atca 104

<210> 599
<211> 333
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 289, 309
<223> n = A,T,C or G

<400> 599
gttgtcttgt ggaaatgccc gtgtgaggac gagctgccta ccacgtagaa gatgggagcg 60
aacagcagca agatcagtgga tcttccgaaa aacgagtact taaaaaagct gtcaggcccc 120
gagtctatat ctgaaaacga ccccttctgg aatcagctct tttcattttc tttccccgca 180
ccaaccagca gttctgagtt gaagctattg gaagaggcaa ccatttcagt ttgcaagtct 240
ttgggtaagg tgggaaggga gagaaaaaca ggcagtttct aagattttnt gttaaaaattt 300
ttaatagtnt aataatatga gttgaattaa aaa 333

<210> 600
<211> 394
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 312, 326, 340, 352
<223> n = A,T,C or G

<400> 600
ctctctctcc tcagcgatcc tgactccagt ctctctgaca gcgaggagag tgtgtttttca 60
ggcctcgaag atttgggcag tgactcgagt gaggaagaca ctgaaggagt ggccggatcc 120
agcggtgacg aagacaacca tagggcagag gagacctctg aggagctggc acaggtgggt 180
gagggaccag cttccatggg ctctcctgca catgaggatg gccagaaaga ggaagtgcct 240
gcctgggagc tgtccgcttc acactgtccc cttcgtgggt tcctcgggaa cctgggtcctc 300
tatccgtccc tngtcacaca tttgancttc aagggttggg aacctcagtt gnctgtgcct 360
ttcctgagaa tgacgaatgc ccacgtgctc atgt 394

<210> 601
<211> 374
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 52, 62, 118, 129, 136, 144, 148, 151, 161, 172, 178,
188, 190, 192, 204, 209, 214, 223, 233, 238, 239
<223> n = A,T,C or G

<400> 601
tgatgagacc ctacccagtg attgntggaa ttacaaaatt cacggataac tntgctgggtc 60
tnagcatgta gccctgcctg gaaatcctgc ctacagagtct caagtgtgtg gtgacagntt 120
tgatgacanc gtagngctg atgnatcnat nccgatatgc nccctgggaca gnccccance 180
atagctgncn tnacgactag atgncatgna cctnctcatg gcnatcacag ccnctccnnc 240
ccagcaatgc cacttccagg aattgatcct cacaaacaga gttagctctga cataggagtt 300
atttattgca gtgtgggttg tgatattaat gtagaaatac attccatcaa taaagatctt 360
tcagttaaca ttag 374

<210> 602
<211> 182
<212> DNA
<213> Mus musculus

<400> 602
gatggctgca gcaactcctc tgccgatgag gtgaacacct ccctgaccac aaccacgacc 60
accactagtg ccttcacat ccaggaatat tttgccaaaga gaatggccca attaaagaac 120
aagccacaag cctcagctcc agggctctgac ctttcagaga cccctgttga aaggaaaaaa 180

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aa

182

<210> 603
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 328, 329, 360
<223> n = A,T,C or G

<400> 603
gtagatcggg tgctggcaga ggctgacttt ggacccccag atgaaagggg cgacttggac 60
ggtttgagga acgccgatgc ccagggtacca catgactccc cagaaccagc cgcacaccca 120
aatctgtgtg ggattgacca cgaggcgctg aataagcaaa taatggagta caaacgcaag 180
aaggagcgag ggcttcagtg tcagagtctg gcgccaccat cagggcgggg gcaggcacct 240
gaaccgaccc gtctgctccg gaagagagag aagggtgcgat cccgggtggc acaccggggac 300
gcttccccag aaagctttct tttgggcnaa ggagaccaag gacgaaggac agcagctcan 360
agtggggaat gccatgcca cgaggca 387

<210> 604
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 43, 44, 55
<223> n = A,T,C or G

<400> 604
gactacatca cttactngcc tgttgaactg aaccgtggac cttnacgaat tcaangctga 60
cacagtcagg cttcaacgac cagagtctcc tcggcactga gctcatctca gggtagaccc 120
cgatgttggt tcccatgaat ccttgctctg gagaataaaa ggcagagtca caaaaa 176

<210> 605
<211> 138
<212> DNA
<213> Mus musculus

<400> 605
tggtgggcca ggccgtggta ccctgggtgat gcggggcgag gccccccca cagtccgctg 60
agatccctgt gcccaaccct ggcccttgcc atgggtccgg taggtccaga gctgtctaga 120
cgcatgaata aaaaaaaaa 138

<210> 606
<211> 281
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 85, 96, 108, 128, 140, 149, 157, 160, 191, 202, 207, 221,
238, 243, 251, 253
<223> n = A,T,C or G

<400> 606
gtcccatggc tggtattggc tcccttgctg tcccgaaccg ttcctcaggt cacctcccca 60
ccttgctgcc tatgtcccga gggtntgaga gggccnaaca tggaggantg cagaaccaag 120
gactccgngg ggactctgcn tgccggaang gctctgnggn tgcattttct aaaagcttca 180

- REPLACEMENT COPY -

tctcatcctt ntcaatgtca gnggcanaaa aaactgaccg nagctcaaat cccaacantg 240
ggnccttcct nanccctcct gggtaatggc tactctctgg g 281

<210> 607
<211> 634
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 437, 485, 574, 596, 598, 609
<223> n = A,T,C or G

<400> 607
ggacatggag ctgtgtttga ctgcaagttt tcacaggatg gacaacattt tgctgtaca 60
gattctcacg ggcattcttct gatatttggc tttggatgca gcaagccata tgaaaagatt 120
cctgatcaga tgttttttca tactgactac cgaccactga taagagattc caataactat 180
gtcttggatg agcagacaca gcaggcacct catcttatgc ctccaccatt cttggtggat 240
gtggacggaa accctcatcc aaccaagttc cagagattag taccaggtcg agaaaactca 300
gcagatgaac atttggttcc acagctaggc tatgtggcca caagtgatgg ggaggtgatt 360
gaacagatta taagcctgca taccaacgac agtggagatg caagcccaga gtccagcgtc 420
ttggatggca tgattangca gctgcagcag cagcaagacc cgagactggg agtggatcaa 480
ggatnggact gcaaattggac tttcccagtg ggggaaagga ccacccccga aaaaggggag 540
tttttagaaa aactgagttt tagacaattt cagncttctt ttcaaaaaca ttgggncntt 600
ccgctcgna aatggggcca aggttttaaa aggg 634

<210> 608
<211> 109
<212> DNA
<213> Mus musculus

<400> 608
ttggactaag cgaccttgaa tggattcgac tgactactac caagtggaac cgatcatgct 60
agtctttgta cgaaagaat aaaaatgtga agaactttaa aaaaaaaaaa 109

<210> 609
<211> 266
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 43, 54, 76, 95, 102, 107, 112, 122, 160, 164, 166, 169, 192,
211, 237, 239, 245
<223> n = A,T,C or G

<400> 609
ggcctacaaa tgtgacggtg tgtaacaatg gcctttaccc atntggtggt cctnggagtc 60
ccacctgaag aagatncacc ggggtacagc agcantatgc cnacatngca gngtagagac 120
anactctacg tgtgtgagga ttgcggctac actgggccc accnangang acctgtatct 180
gcatgtgaac antgaccatc cagggagcac ngtttctcaa aaagacttcc aaaaagntng 240
gcgncctta tgcataacaa gctgac 266

<210> 610
<211> 302
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 130, 132, 134, 142, 143, 146, 147, 155, 166, 167

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<223> n = A,T,C or G

<400> 610

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atcgcaacga acgacataag ccagagcatc gttcttccag ccaaggaccc ctgtcatcca 60
ttagagcggg aatcaagaga tcttctcgga cctgtattca gagtgaactt catcgggaca 120
ggaggcgtgn ananaattat annatnnggt agatnctgat agcatnnagt gaagtagcat 180
caattggcag actgtttttac ctcataagca gtgctgtacc gacttctccc tcatccacac 240
atctctgaac ccatatataa gtttgacaaa taaagggtttt gcttgagaga aatgaaaaaa 300
aa 302
```

<210> 611

<211> 697

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 34, 43, 51, 54, 55, 65, 67, 68, 71, 88, 92, 98, 106, 107, 109, 115, 119, 128, 132, 137, 175, 179, 344, 351, 352, 423, 434, 435, 455, 487, 491, 496, 503, 504, 512, 525, 531, 550, 551, 556, 558, 563, 564, 579, 591, 601, 616, 617

<223> n = A,T,C or G

<221> misc_feature

<222> 627, 630, 635, 636, 661, 665, 666, 667, 668, 673, 674

<223> n = A,T,C or G

<400> 611

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taggaacctg tagaggacca ccctgtcacc gatnctactg aancaaagat natnntcgtg 60
gtaananngc ncgatcacta tgccttenta antctggncg tggcannana atgenatcnt 120
tgatcaancc anaggancca tgcattgggc tgaatgaggg caaacgttgg agcancttnc 180
ctgtcactgt ttggagatcc ctatgagctg gatccttttg acagcaatga ataacagtct 240
gcagatccac cttccctctt gagtgccaag aggagagtgc tgtcccgctc agctctgcag 300
tctcaccagc ctgtggccag acctgtcgcc atggggctct ctangaggca nnttccttgc 360
tgtggccccc agagcccaag cgtgggagga agccccggt tcttgacctg ttggggaagc 420
atnctgtctg gccnnagcct cctgatgatg agcangtgcc tgatgttggc attacacccg 480
ggatggntct nttaanccgc cannaagggc cnggggaagg aagantttta ntcttccctt 540
tttcccnaan nccttngnaa aanntggctt tgctttcgng gggtgggaag ncttttcttg 600
ngttcaaatt ccgttnnttt ggtcacnggn cccanntggt ttgggaaacc ttggggggag 660
ncccnnnnaa ccnntggccc ccttttttaa cctggggg 697
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<210> 612

<211> 370

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34, 58, 141, 144, 168, 171, 192, 253, 278, 313, 351

<223> n = A,T,C or G

<400> 612

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gtgtgagagc agaaaaacgg acttaagagc tgancaggat gcgttcacgg tgcaccgnct 60
ctgccgtcgg tctcctcagc ttgtgtcttg tgggtgtctgc gagcctagag actatcacac 120
cgtctgcttt tgatgggtat ncanatgaac cttgcactat aaacatanca ntacgaaatt 180
cccggctaatt tntatcctgg gaattagaga acaagtctgg cccaccgct aactacaccc 240
tctggtacac agncatgagc aaagacgaaa atctgacnaa ggттаагаас tgttcagata 300
ccacgaagtc atnatgtgac gtgacagata agtgggtgga aggcattgga nagctacgtc 360
gtcgccatcg 370
```

<210> 613

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<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 459, 460
<223> n = A,T,C or G

<400> 613
aactacaaaag agcgagtttc tacttcaatc ttttcctctg cttggagtag atcaggggtca 60
acatgaacaa ctggaggtcg gaggataact tcaggccccc caccatataat agactgcagg 120
aaattccatg tttcttctga aatttgacca gagtctgctc ctaaaattgt atgtatgcaa 180
aaagaatgat atttacaac atgaatctta atatagcttt tacagtatat ccaacagaga 240
aatcctctat ggaggactga gaattctgaa accttcagat tatcagcctg tatgctataa 300
aaaacaatat ggagacggtt tccaaatgtc tagagatcca ttttccaagc tccaacaacc 360
ctaaaacctt cctaaaaata agaaattttt accctttctg ttactgtaag cctgaccatt 420
tctgaactag gtaaataaat tacataatag ctgggtatnn tttttttaa aaaaaaaa 478

<210> 614
<211> 158
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

<400> 614
ctcccttgaa ggggntggg gctatgactt tctgccagc ctagagagct gtatactccc 60
atttcatgga ctctgcttga gtgtgcagg tttacatgaa ttctatttat acccttttgta 120
tgccacataa ataaagataa tttatataaa gaaaaaaa 158

<210> 615
<211> 321
<212> DNA
<213> Mus musculus

<400> 615
tcattgcctac agtctgcccc tagttccctg gctctctgaa agctcctcag agctctcttc 60
tcaggataag aacccttgg ctatgcttgc ctcccgaagc ccatggaatg gcttcccttca 120
tgaagataag cagagtcctt tgaaagcaag ctttggatga gttctagaag catcctgttt 180
tgagacacgc cgttgaagat gcacccctgc tctgcagttc cctccacgc acaggattga 240
agaagtaaaa gctcctatac agaaggtttc acatctgagc agcagagtcg gttcagtaaa 300
accctctgat aaaaaaaaaa a 321

<210> 616
<211> 124
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 63, 72, 100, 104
<223> n = A,T,C or G

<400> 616
tcattgcttc cccggaagct ggacagacta actgctgctg tggatgaact gagagccctc 60
tcngccctcc cntctagctc ccgcttgaag tctcctgcn atanagtga accatcagga 120
aagt 124



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<210> 617
<211> 771
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 261, 396, 402, 406, 412, 500, 504, 551, 698, 716, 724, 733, 739, 751
<223> n = A,T,C or G

<400> 617
gtgaacctgt caaacctttt acaccagaga aagcgaaaga gattataatg tctttacagc 60
agcctgcaat cttctgtaac atggttttcg attggccatc acgacactgg actgcgaaac 120
acctttcgaa ggtcttggag ggcaagcaga tacggttcag aatgggcctg agaggcacag 180
gcacagtcc tcagtatgaa accgaatgta gttatgtgga tgcgacgctc gaggagtttt 240
tgacctggaa ctgtgaccag nctagtatct ctggaccatt caaagattat gaacattcta 300
aattctgggc ttacgctgac tataagtatt ttgttactct gtttgaggac aagacagatg 360
ttttccagga ggtgggtgtg tctgactttg ggttttctga angaantgga cnagaaagta 420
cactgtggat cgggtccttt ggagcccaca ctccctgcca tctggactcc tatgggttga 480
acttagtatt caggtacaan gaangaaaag atggcatctc tttcctcctg aagatacgcc 540
tttcctttat ncaaccagaa ttccctacga agagtctagt gtgttcaagt aaaatcaatg 600
gtgcaacctt gatttgaaag cgtttccccc agttccagaa agctcgaaag acatatgggc 660
accgttgagc ccaggacaag gttctggttg gttcccanac actggtggca tttacnttgg 720
aagnctcttt gancctgtna cccgtcaaga ntaaaactcc tgggaattgg a 771

<210> 618
<211> 736
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 511, 591, 645, 699, 718
<223> n = A,T,C or G

<400> 618
cattccgctc tgagctgaga ctctgctgct tccatggctg ctcccttgaa gacacgcaca 60
gatgtttggg ggtgaagcac atctgtccgg tccctacctg cccatagaag acggggaggt 120
gtcatacctt tgatgtggcc agtggctttg gagccctgaa gcctcaactc tctgcttgga 180
tccacgtggt gacagacaca cgtgctagac ctgtcagtggt tgaactacgt gtagagtggg 240
tggggaagga gatctcaacc ccgaggcaca gataacgaac aacctggggc agctgggagg 300
tgactgggcg tgccattcat cctgagagg ttcccaccga ggcagagatg tagtcctcag 360
acgttaatcc tggaaagggt gctcagcagt tgaaacgct gggttgcctt ccaaaggacc 420
agggttgctt cccaacaccc cagtcaactt gcctatagtc ctagcaggca agagagtgtg 480
aagttcaagg ccattcctccg ctgtatagga ngccactata ggctgcatga aagccagcct 540
caaggaagaa tgacaaaggg ggctggagtg gcgcttagca gttaggactg ntcgctgctc 600
ttgcaaggac ctgggttcgg ttccaggacc cacattcttt atggncatga atacttcaag 660
atcccaagag gagatctgat gccttttctg gggcctaang gcattctata catgctgnat 720
aacttaaccg accctt 736

<210> 619
<211> 261
<212> DNA
<213> Mus musculus

<400> 619
cagaataaag atgcttagaa ctctagaagc caagagactg gcagccatgg aatcctctgt 60
aaatctccca gcaagggtct ccaagggttg tggagcccag cagactacta gcacaagcag 120
tcaactgaag tctaaagggt ggcgatcaga tgaagacgga ccaccttcca cccgcagacc 180
attctacaag actagagcag acttttctca gagacatcgt taactcaata caaagaccaa 240

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gtgagagcag caaaaaaaaaa a 261

<210> 620

<211> 258

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 36, 41, 53, 54, 65, 70, 74, 79, 81, 82, 84, 91, 94, 105, 107, 114, 116, 124, 127, 134, 165, 220, 234, 237

<223> n = A,T,C or G

<400> 620

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acagtgcctg ctctggaana tgtgactatg acattncgat naggaccatg gcnnacagtc 60
atgtnaggan acanctggng nncnttcccg ngcncataaa gcatnantta catntnaaac 120
tganccnata gganacactt atcgataaat cccatctgac tcctnaatgt ttacatagtc 180
cctgtccaca tggaataaag cacacaagtt atttcaccan aaaagaagaa catngcngac 240
agtcatgtta ggaaacaa 258
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<210> 621

<211> 113

<212> DNA

<213> Mus musculus

<400> 621

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gtcttggccg gagaccggag ccatgtctgt gttatcccca ctgtagacaa tccttgcttc 60
ctctggacat ctggagcagg cccaatttga ctgagagcct tccccacta aga 113
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<210> 622

<211> 523

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 418

<223> n = A,T,C or G

<400> 622

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ttgaacttgg aatagtggca atctgctcaa gctccagata aagggaacc taatttgcatt 120
tctttccgtg tctgccgaaa gactcagaaa cggatttcca ggactcagga agccaaatac 180
caagtgtagg agagaaaaag cagcattttc cttaccaatc ttaagcctga agggtaagga 240
ttccaagact aaaacatata cattttattt atgtcagttt tgtgtttacac aagagatcat 300
cagaaatttg gaaatctttg tgctttttgt gactgccatg cagaagtttg actagaaaac 360
cacaggggta caatatactc ataaacttga ggccagcaat gtagcaaaaac ccattttgntc 420
atattttttt cctgtgtctt catacagttt tttcagatat aggaaagata tctctaaggg 480
gagcaactca aaacatttta aattaaaaag gaatttttaa tta 523
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<210> 623

<211> 267

<212> DNA

<213> Mus musculus

<400> 623

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atgtgattat ttttcttcct caagaaatgc ttctcggtag ttaatacatt acggaaggaa 60
ccgtggagaa gcggtacgca aactgcacag ttctgtccgc ttgagcaaaa tagaggctcg 120
tcggaggccg aggttgccct ccttcgaggt ggagaacaac ttcgcagccc acagccgccg 180
gtgagtgttg caagtttggc ggggttcttg ctgaggggtg tttcccgcct ccttctcttt 240
ccccgggttt gttttgaaaa aaaaaaa 267
```

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<210> 624
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 624
 cccaggggat gccccgggtg acgccgccgc tgctcttcac cgaagatatt cccgtgcttg 60
 ctgagccttg ccccgtgtgt cggtgtgtgc taacttattg gaccgtattt atattgggta 120
 cctgtttcca acccaccatt ccgtgttaat attttttata ccatattttc attccaaata 180
 aacaatgtca cttttctttt tttaaaaaaa aaaa 214

<210> 625
 <211> 129
 <212> DNA
 <213> Mus musculus

<400> 625
 gtttggagtc ttctgtgaac ccattacgtg gatgcatcac aagaactcca ttagtggtca 60
 agccatccat ctgccatca gatgtcttcc acttggcagc cttctcctat aaaatcaaca 120
 ataacaac 129

<210> 626
 <211> 405
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 32, 33, 57, 64, 84, 85, 88, 92, 95, 102, 110, 114, 116,
 120, 126, 135, 148, 151, 166, 167, 172, 180, 182, 185, 192,
 208, 216, 222, 224, 226, 230
 <223> n = A,T,C or G

<400> 626
 ctgtactgga gctgctctgn agaccaggct gnnccctgat gcaggagaaa cacctgncta 60
 tacnccaga gtgctgacat taanngcntg antcnccacc anctggctan gaangngacn 120
 tttatnccac ggaancctga agaaggcnac ntaggctcca gctgannccg angaccggan 180
 tnggncacca gngttagctt taaaacanca atgganccca cntntngacn ctcccgggca 240
 cagctgcaca cctgccgcct ctaccagggt gcaggccttc tgagaacaaa aggacaccta 300
 ctcaccaagg tcattacctt gatgggggca gggagaaggg ctgggaatgg aagaagacct 360
 ctagtctaga aaattgggtg aattaaaggg tttgaatcag cccca 405

<210> 627
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 627
 gtcttctaag atcaagtagg aaatgtgaat tcccaagaac gtgggggaaa atgcaaaaatt 60
 tcccaaaacta tggaataaac atgtttccta acctaaaaaa aaaaa 105

<210> 628
 <211> 426
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 628
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gtgaagtcac cctgaggtgc tgggccctgg gcttctaccc tgctaacatc atcctgacct 120
ggcagtggga tgaggaagac ctgactcagg acatggacct cattgagacc agacctgcag 180
gggatgggac cttccagaag tgggcatctg tgggtggtagg ttctggagag gaacagagat 240
acacatgtca tgtgcaacat gaggggctaa cccagcccct tgttctaaaa tgggaccctt 300
ctaagcacac cattcccatc atgggaatca ctgttggcct gcttctcttt ggagtttgtt 360
ttactggagc tgtggttgcc atagtgatga ggaagaggaa agggctcac actgtaccct 420
taaaaa 426

<210> 629

<211> 270

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 37, 47, 54, 61, 69, 91, 93, 96, 116, 117, 150, 157

<223> n = A,T,C or G

<400> 629
cgaggaaatc ctttacatct atgccnagag cggcttngaa agatccngaa gctntggcag 60
naggataana tcacagagga gatcggacac ncncangagg ctaaccagac cctggnnnga 120
attgactggc agcatttata atcgctcctn tactaanaac ttgacttgga gttttgtaac 180
acagctggct tttccagaaa gacaacagga aataagttcg gctgaatcta ttttgaaata 240
aattctttat ttaagcttta aaaaaaaaaa 270

<210> 630

<211> 195

<212> DNA

<213> Mus musculus

<400> 630
agactgagac ctgtgctacc agaagtgaca atggaagtcc ctctgtgaa gaggaaagga 60
cactgacaac gtgtggatcc tcaggagcaa accaagtcag cagacatggg aaatatctgc 120
ttacaataaa acactgtttc tatecttcta ggctctatta aaagatgtat ggatagttaa 180
agcataaaaa aaaaa 195

<210> 631

<211> 105

<212> DNA

<213> Mus musculus

<400> 631

gtcttctaag atcaggtagg aaatgtgaat tcccaagaac gtgggggaaa atgcaaaatt 60
tcccaacta tgggaataaac atgtttccta acctaaaaaa aaaaa 105

<210> 632

<211> 272

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 201, 228, 232, 235, 249

<223> n = A,T,C or G

<400> 632

ctggagagac acgtgcccta tgacaacagc agaccaacca gtgggaagat gaactgagac 60
gtgtgcgggt tatectgcat tagcttcaac gtcttgatgg ttcataagcg aagccatacc 120
ggcgaacgcc cgttccagtg taatcagtgc ggggcatctt ttactcagaa aggtaacctc 180

- REPLACEMENT COPY -

ctccgtcata ttaaaactggc ncggggggaa aaacctttta agtggtcncc tntgnactac 240
gcattgccana ggagagatgc ctcacggatt ac 272

<210> 633
<211> 415
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 226
<223> n = A,T,C or G

<400> 633
gactgaggtt cctcagtggg gtgctgaata ttgcctttcc atccattacc agcacggggg 60
cgtgatatgc acccaggccc acaaacagac ggcagtcag ctggccctgc ggggtggccga 120
cgagatggat gtgaatatcg ggcacgaagt cggctatgtg attccttttg agaactgctg 180
caccactgaa acaatcctga ggtactgtac tgatgacatg ctgcanagag agatgatgtc 240
caaccctttc ctgggtagct atggcgctcat catcttggac gatgtccacg agagaagcct 300
ggcgactgac gtgctgctcg gactccttaa agatgtgctg ctggcaagac cagagctgaa 360
gctcatagtt aactgctcgc ctctcctcac cagtaaaactc agttcctact atgga 415

<210> 634
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 49, 179, 211, 212, 222, 225, 254, 262, 269, 292, 319, 320,
329, 334, 340, 351, 356, 401, 435, 511, 513
<223> n = A,T,C or G

<400> 634
ctccatccga gcaggccggg aaacatgccc gccaggaaag agctgcgtng cccctccgag 60
ttcgacgata ccttcgccaa aaagtccgag gtgctcttct gtggccgggt gactgtgggt 120
cacaagaatg cccacccgc actgattgac aagtgtatcg agaagttcaa ccatgtganc 180
tgtggctcga caacggactg ggaagcgccc nncgggcaag cntcngctcc tggcccagcc 240
catgcgcaaa tccntctcac ancctggant gcgctcgctg gccttcagga angagttcca 300
ggacgctacc tccgcagtnn cacctttanc tccnttgacn atgacataga naaccncctc 360
atcgggtgggc acaatgtggg tcacccacag acatggagga naaccgaact atgctgtgca 420
cggtaaaatc tgtcngtttt ttgcagcttg aggtctgaaa aatctgtctt acacatccat 480
gtttgtaaac accctttcct gcagaatata ntatatttaa agaagtcaag aaggatgtta 540
aacaatat 548

<210> 635
<211> 334
<212> DNA
<213> Mus musculus

<400> 635
gaatcccaat gctgaagata gtgtttgcag gccatgagca tctctcgctg atatccgtgc 60
ccttgctcat ctaccacca gctcagattc tcctgggaag tgtgttagtg ccaacaataa 120
agtcttggat ggtgtccagg cagaaggag tgaagctgac aaggccgaca gtgtgactcg 180
ggtggcgcca gccttcctgg agtgtgtaca tatatgtaca ggctgtacat acaggggttc 240
tgaggacctg tccttgggga tgctgctttg atgcctattt tattttttta cagaaaaaaa 300
tatgatatac ctgtttaagt gccttaaaaa aaaa 334

<210> 636
<211> 996
<212> DNA

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<213> Mus musculus

<220>

<221> misc_feature

<222> 506, 593, 632, 653, 672, 698, 717, 725, 736, 739, 745, 752,
760, 777, 781, 785, 791, 795, 803, 816, 821, 830, 838, 840,
844, 858, 861, 866, 881, 885, 891, 903, 904, 906,
915, 919, 941, 944, 947, 973, 977

<223> n = A,T,C or G

<400> 636

```

agagagggcga accccattgc atgctgctgc ctacgtaggc gatgtcccca tcctccagtt 60
gctactgatg tcaggtgcta acgtcaacgc taaggacaca ctgtggctga cccctcttca 120
tcgtgccgct gcctcccgaa acgagaaggt gctggggctg ctgttggcac actcagcgga 180
tgtgaatgcc cgggacaagc tgtggcagac accactgcat gtggctgctg ccaaccgggc 240
caccaagtgt gcagaggctc tggcaccctt gttgagcagt ctcaatgtgg ctgacaggag 300
cgggcgcagc gctctacacc atgcagtaca cagtgggcat cttgagacag tgaacctgct 360
cctgaataag ggagccagcc tgaatgtctg cgataaaaag gaacggcagc cgctgcactg 420
ggcagctttt ctagggcatt tagaggtcct gaaactgctg gtggcacgtg gagcagacct 480
cagctgtaaa gatcgaaagg gctacnggct gcttcacaca agctgcagcc agtggccaga 540
ttgaaattgg tgaagcactt gcttccgatg gggggcccga gaatccgatt aancccaatg 600
ctttttggga aaacacaagc ttttgacat tngctttggc tacctggggc ccngggattg 660
cttgtgggct anttcgaagc ccttgggtgga acccccangg aaaccccaaa tgggtggnaac 720
cccanccccg aaattngcnc caaanggggg cntttaaacn tttccaacct tggcaanttt 780
ntggncgggg ntttngggcc ttntttacc caaacngggg ngcctttttt ggggaccntn 840
gggnaaactt ggttaagntt naaatnaaat gggggggcct ntaancgttt naacnttacc 900
ncnnanttta aatgnaaang ggaaaaaagt tcccctttgg nccnatnggc ttgccaattc 960
caatggggcc ttntttnaaa ggcggtttcc caagaa 996

```

<210> 637

<211> 172

<212> DNA

<213> Mus musculus

<400> 637

```

ctgccaaacta aggtgtctct gactacgggt cttttatttg ctacatatat atttttacaa 60
aaatgaaatc catattgtac gctattttgc tgtctgcttc gttcccatgt caacatgacc 120
tgcacttctt ttcccatcaa taaatgtgtt gtgatatttt taaaaaaaaa aa 172

```

<210> 638

<211> 327

<212> DNA

<213> Mus musculus

<400> 638

```

actgaggtcc tgagggaggc aaacaagtta gcagaaatgg aggaaccagc cctgcttcca 60
ggagagaaca ttaaagatat gggctctgtaa tgttttttgt ctgcacagct gttcattctc 120
ctgtagtgtc cagcctgtgt tctgcaagcc gagaccaga gctgttggga gtgttctctg 180
ctggatgttg ggaaatgtac aaattcaatg ttattctctt taaattgttg ctgaaatccg 240
tgaagagcag ttttattatt tgaattacat catttagcca ctgtgttggc tagctaaaaa 300
cattaaacaa gtgattttta ttaaagt 327

```

<210> 639

<211> 617

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 462, 486, 501, 506, 509, 519, 523, 524, 530, 538, 539, 551,
559, 561, 571, 574, 598, 599, 601

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<223> n = A,T,C or G

<400> 639

```
gactggaccc aaaaggagag ccagtgggtgt ggtcggcaag tggttggaca gctcgaatca 60
tccagcatga gatggatcac ttgcagggct gcttgttcat cgacaaaatg gacagtggga 120
catttaccaa tctccactgg atggagggtga atgactaaca ctctccttga attgaggatc 180
tggaaatcca gcatgcagac taagatgggtc acatctgtgc ttcagcttgg aattgggttc 240
agtccgacag tagacagtgt gtgctgggtct gagatgaaga tgatagaaat gcttgccctg 300
aaatcagatc tgacagaata cgattacagc aggactacaa atgtaccatt aaaggagtgg 360
ctatttcctg acaatttccc atggagagga gtgggcaggc aaacatcctc tgtacaaatg 420
agacacattc taacccccaca gcctacaatt gattgataag gnaatccaga tatccaaaag 480
atttgnnttt tgagacaggg nttctntgng taccttggnt gcnnnggactn actctgttna 540
caagctgcct naacttaana nattcctgct ntgnactcct gactttggac tgaaggggnt 600
ncctctgtgg cttgaag 617
```

<210> 640

<211> 529

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 112, 498

<223> n = A,T,C or G

<400> 640

```
aactttgttc taccccaaga gatgatcatt gaagtggagg gagaagatgc tgggtcactg 60
gacatcatgc ctcaggaaag cacagacttc aagattgtga ctgtggacct tncagaggag 120
ggacagagca cgtggaacaa tgcccagaga accccagaga aaaccgtgat cctggaaggc 180
cacagggacc tgtgggactt gccagctgta catggaacag aaggagccac cgcaaagcag 240
acaatcttcc atgaagaacc atcccattga ttgaagctag aggggttggc aagagatgac 300
ccttggctgt catcgtgtga agaagtccga gactgtaagg agcagtcggg gaaacaaccg 360
aacaagcaag aggaggtggc ctttaccagc ggtagcgtg gctctcctga tactgtctac 420
aggggtcatg accctgacag gagttgcctg agtaccagcc ggccttcatt ccccatgatg 480
ccccttagaa accatttnca taaacaggcg tcacatgtta aaaaaaaaa 529
```

<210> 641

<211> 106

<212> DNA

<213> Mus musculus

<400> 641

```
aggcagatct gacaaattct ggcagttctc cctctgagga tgatgccctg ccttcagggt 60
ctccctggag aaagaagctc agaaagaagt gtgagaaaga aaaaaa 106
```

<210> 642

<211> 638

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 150, 152, 452, 609

<223> n = A,T,C or G

<400> 642

```
caaatcatcg agagtcagtg gaagcagcgg gaacaccatt cattataagt tctttgggtga 60
gtttccctct acatagcgaa gaccattaaa gaagcgagac cagcgaagtg ttgcacagct 120
agtgaagacc agcaaagcat cgcataaagn cngaattgcaa gagcgtcctc tcaactgtctg 180
aggggttcca tttatactct ctctgaatat catggaccct ctaacggcgt ctgctccagc 240
aaaacatcat cacatgccct ctcgagtctg cttcagcaaa acatcctcca aagacagctt 300
```

- REPLACEMENT COPY -

```
ccagaaaaaac atcatgggac acaaccaagt ttccaaaaga aactggaaat ggaaatttcc 360
actttatcag acattttttt aaaattagtt tttaaaagtc atattagaga agcagaaatc 420
caatgagttg cctctgattc agtctgtgca gnttgggtctc aagtatatct taattcttcc 480
ctgtgaggac tacaagaata gtgttttaaa tgatacagct ttagacttgg agtgagtcta 540
gagtagactg cttctcacta taggcttata taattgaaca tatacattag atctggcctg 600
ttaaactgna atcatttgga taaaatactt tgggtattg 638
```

<210> 643
 <211> 147
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 62, 77, 85, 120
 <223> n = A,T,C or G

```
<400> 643
agcggctgga tgacatttgc tctaccaaca acagccatgg aaaagatata agttctcaca 60
gnagaatctg acatcancca atgantgaat ccattacatg aactgacact gcgaattcan 120
aattcaaggt tctgcttttc caagcta 147
```

<210> 644
 <211> 744
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 410, 559, 564, 588, 591, 595, 630, 651, 658, 683, 695, 707,
 714
 <223> n = A,T,C or G

```
<400> 644
gctcctgctc caaagagcac gctcgttccc gctggcccca tcaccaagtc gtctgggttct 60
cggttccgga acagtgtgga agggctgaat caggagattg agatcataat taaagagacg 120
ggggagaagg aagaacagct gattccacaa gatattccag atgggtcatcg tgcgcctccg 180
cccctcgcac agagaagcag cagcacacga agcattgaca cacagacccc tggggggtgca 240
gacaagggaa gcaacaacag cagccgctct cagtctgtgt cccaacatc cttcctcacc 300
atctctaata aaggcagtga ggagagcccc tggttcagctg atgatctgct tgcggatccc 360
agagataaag agaatggaaa caattctcct ttgccaaaat atgcaacctn accaaaacct 420
aataacagtt acatgtttta aagggaacct ccagagggtc gtgaaagggt caaagtcttt 480
gaggaatgct cgccaaaaca acttcattgag attccagcct tttactgtcc tgacaaaaac 540
aaggggaatt tcatttctna aagnggctct gctttctgcc tcgtgagnat nctcnaacca 600
cttttccctt caccagatct tactcttaan ggcttttggg tacaagcctg ncccgttncc 660
actgggatga ccacccttt tgnttcaagg ccatnttttt tggcctncc tgtntacaaa 720
cacaaaagca agaacgggtt tttt 744
```

<210> 645
 <211> 105
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 67
 <223> n = A,T,C or G

```
<400> 645
gaaatgagca ggtttgcaga aagactgggt gcctaaaact gaagcctaag gagtcgggtgc 60
ttggctntgg ctgagaacat ggccaatgac attgaaaaaa aaaaa 105
```

- REPLACEMENT COPY -

<210> 646
 <211> 190
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 37, 62
 <223> n = A,T,C or G

<400> 646
 gcctgtcctg cctgctagtc cccacccan agacaanact ccgctccaca ccatcccacg 60
 gnagcgtaag cagcctcaac agcacaggca gcctgtcccc gaagcacagc gtcaagcagg 120
 tcagtgccca aggcctcttg tatatcattt ctcacagca ataaagagaa agctttgatc 180
 aaaaaaaaaa 190

<210> 647
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 647
 gacttcctga tgtccccctct cttgggttgg acctgtgtac ctcacagctg ccttggaaacc 60
 agctcaccca tgctcctacc tctttaaatc tctgaataaa cagaactgcc tcctgttctt 120
 tgagtgcaca aaaaaaaaaa 138

<210> 648
 <211> 346
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 125, 284, 296
 <223> n = A,T,C or G

<400> 648
 ggaagtgtaa catctcccat ttttctgaca tatttgctgc tcgagagttt aaagcccag 60
 tggactcatt tttctacata ttaggataca accctgagac aagtttgaac gttcagagtc 120
 tcggnccacc tgcttggtg actggctgct cggcttgac ggcgttggtg tacagccacc 180
 tgctttgatg gaagatttgg agttcctggc tctgctttgt ggtgacctct ggggtttccga 240
 gttgatttta catgcattga aatcagcaac actgctttct ctgnttatgc atttgntctt 300
 tattctcctg tcttgagaaa atacattttt ggggaaagtt aaagaa 346

<210> 649
 <211> 152
 <212> DNA
 <213> Mus musculus

<400> 649
 gactgagaat tggcacagaa agaggaggaa gaagatcctc ttgctgaaga aaaacgacta 60
 gaagaagaaa ggttggttaga ggaagagagg cagagactgc atgaagaatg gttactgagg 120
 gaagaaaagg cacaagaaga attcagggca aa 152

<210> 650
 <211> 402
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 337

<223> n = A,T,C or G

<400> 650

```
tggcctctgt gaaggaaagt ccactctagt ccctacctgc atatctcagc cttgcttacc 60
tgttgcgaaac attggggccaa ctgcaattct tcccaatctc tatcttggct gccagcgaga 120
tgtcctcaac aaggacctga tgcaacagaa tgggattggc tatgtgttaa atgccagcaa 180
tacctgtcca aagcctgact tcatacctga atctcacttc ctgcgagtgc ctgtgaatga 240
cagcttttgt gagaaaatcc taccatgggt ggacaagtct gtggatttca ttgagaaagc 300
aaaagcctcc aatggctgtg tgcttatcca ctgttanctg ggatctctcg ctccgtcact 360
attgctattg cctacatcat gaagaaggat ggacatgtct cc 402
```

<210> 651

<211> 156

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 98

<223> n = A,T,C or G

<400> 651

```
gactgagatg gacagtctga ggctgagaga gggctagtga tttctcggac acttgggcag 60
taggtaacgt tatgaccgat gaattgggcc tgaaatanag catatatccg atcatcaggg 120
cttctcctct gcagctacat gcaccccaaa aaaaaa 156
```

<210> 652

<211> 388

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 321, 325, 337, 368

<223> n = A,T,C or G

<400> 652

```
ggaagtaaaa ggatccagag agaagggtcat tagtgacgaa gatctagaat tactgtttgga 60
tcgaagtgat ctcatgtatc aaatgaaggc ttcaagacca attaaaggga agacagggat 120
attcaaaaata ctagaaaatt ctgaagattc cagtgtctgaa tgtttatatt aatgtagaac 180
taaattggctt ttaaaaactt tggtttacat ccattctggt aatttgcctg ttggctttga 240
aatccatatt gttcacttta cttttataat atatcagttt ttataatgta actagtattg 300
catacttgat gaaaattttg ngggnntttac ctaagtntaa aattcctata aattttaaatt 360
tttcagtnag tttttgggac tgggtagt 388
```

<210> 653

<211> 124

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 27, 55, 58, 60, 87, 90, 92

<223> n = A,T,C or G

<400> 653

```
ctgccacaca gcccanggat gcccttntct gtactggcac acagtattta ttggncnana 60
aatgactggg attgggctct gagcatnccn gntccctgtc tgccctatct cagggcttgt 120
ccta 124
```

- REPLACEMENT COPY -

<210> 654
 <211> 403
 <212> DNA
 <213> Mus musculus

<400> 654
 tcctactctg ctgtatcatg gaacccggga ggaccgtcgg aaattagtaa agaatatcca 60
 caaaagacaa gggacactgc agattcatcc tgtgggtggc acatcattcg agatcgctat 120
 gcgagaccag aatgctttac agctttgagt cttgggttga tatcactagt ctttctgaaa 180
 ctgctgaaga tattatagct aaagagagag aacagaatgt ttacatatg ctgcaccaga 240
 ttttaacgcc tttcctactg agaagactga agtctgatgt tgctcttgaa gtcccccta 300
 agcgagaagt agttgtttat gcaccacttt gcaataaaca agagatcttc tatacagcta 360
 ttgtgaaccg cacaattgca aacatgtttg gatccccgaga gat 403

<210> 655
 <211> 145
 <212> DNA
 <213> Mus musculus

<400> 655
 cagactgagg tgtattccag agaacaatth tgagatatct ttgcttatat ttgacattga 60
 gcagtcaggg gatttaggca tatgaggagg tactgtcaca taaaacagtg tctagtgaag 120
 acgacaagaa agagagaaaa aaaaa 145

<210> 656
 <211> 453
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 28, 31, 57, 60, 63, 65, 77, 80, 84, 99, 101, 104, 195,
 209, 217, 234, 253, 254, 288, 290, 293, 294, 303, 327, 332,
 350, 375, 397
 <223> n = A,T,C or G

<400> 656
 gtttgaggaa agggaagtaa tgacangntg ncacctgaac taaatctttc atagacnacn 60
 ccntnccaga tcttcangan gaanggggat atgccccang nccncataac taccctgtgc 120
 ggggattgct agttttacgg acctcctgaa ccagcgtgcc ttctcccatc tcctttacct 180
 gctacaacta caaanagcct cttttttant tcccgantac caaaaaaggg gganactgct 240
 ttttgggcct tgnnaggggg aaagaacaat tgtgggtttt aaacaagntn tgnnccataa 300
 gtnttcaacc cagggtttt caccagnatt cnacataaaa aacctggaan agaataaacc 360
 tttggcaagg ggatnaatcc cccgaagggc agaatanccc cccgttcttt gttttgcaag 420
 gcccgtcctt tgggcaaagg ggatttccca aaa 453

<210> 657
 <211> 143
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 74, 77, 82, 121
 <223> n = A,T,C or G

<400> 657
 gactgaggaa ttcacatgnc gacaaaaaaa gacatttttc ttggtagctg aacaaaggct 60
 gaaggactgg catnacnacg gnggctatcc tgagggaccg cacatggcgt acgatatgga 120
 naacacggga agccttacc cat 143

- REPLACEMENT COPY -

<210> 658
 <211> 507
 <212> DNA
 <213> Mus musculus

<400> 658
 acctgagccc tgggcatctc tctagaagcg gtgcgatcat ggaggtggtg ccggccgagg 60
 tgaatagttt gcttccagac gacataatgg acactgctat aacgttagtg gatgaggata 120
 gtattgaggc tgtaattgtg tcatcccca ttcccatgga gacagagctg gaagaaattg 180
 tcaacataaa ttctaccggt gactctacag ccacgcccac ttccacggaa ccaatcacag 240
 tgtacagtaa ccacactaac caagttgcag tgaataccac agtttctaaa gcagattcta 300
 ataccacagt gaaaccagca tttccaagtgc ccttcaaaa acttggtgct cagactcctg 360
 tgactatata agccaatcag attattttaa acaaagtatc acagacatct gatcttaaac 420
 ttggcaatca gacccttaaa cccagatgga cagaaagtta atattaacaa cttttgggca 480
 aagtcttggt tcaacaaatt ggttttaa 507

<210> 659
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 659
 gactgagaac cctgagcctg gaggttttct tccccccct cctcctgagg cttagttagat 60
 ttggagttgt catggcaaca tttttagcaa ctgtgttgct ctacaggaag ccttgctgaa 120
 taaaataaag aagccttgaa catgaaaaaa aaaa 154

<210> 660
 <211> 280
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 163
 <223> n = A,T,C or G

<400> 660
 gactgagctt aaattcccta ccaggccaaa ggtgaggggt cctacaattc ccatcacaaa 60
 gcctcacacc atgaagccag ctccacgctt aacacctgta aggcctgctg cagcctcccc 120
 cattgtgtca ggagccaggc ggagaatagt gcggtgcatg aantgcaaag cttgtgtgca 180
 aggagaatgt ggagtctgcc actactgtag gggaccctc tagtttctgt aaatattgaa 240
 tcagtgagtg aataaaaatg tgctaataaa tgaaaaaaa 280

<210> 661
 <211> 126
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 67, 70
 <223> n = A,T,C or G

<400> 661
 gactgagcag tccccccacc agcctctgtt gtctgtgtgg tcttttccca ttgccagtcc 60
 ttggganggn tttctatttg tctgccttg agcctattaa acagcctccc ccgtgaaaaa 120
 aaaaaa 126

<210> 662
 <211> 134
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 50, 52, 59, 60, 62, 63, 90, 98, 100

<223> n = A,T,C or G

<400> 662

```
ttcaggatcc cccggtgatg actactcttg agggncctcc ttggggggtn anctggggcnn 60
cnntggccaa agaaaggaca aaagcttttn gggggatnan gttaatttaa agactttttg 120
gttcaaaaaa aaaa 134
```

<210> 663

<211> 565

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 21, 24, 49, 157, 201, 309, 469, 534

<223> n = A,T,C or G

<400> 663

```
aagccatgct tgttttntgg ntgnacccca cegtctgtat gtacagctng cctccagctt 60
ctatgacttc tctttccttc cctagctggc ttgagccatc ccgagaaacc catctctccc 120
aaagggaaaaa cccacataga aagcagagag gaaattntac aggccacacc atagggggcc 180
attcagagtc agagccaagg ntccccaaa ttgatgacca aagtagtttt cctgtatctt 240
cagtttgctt acaaagtagg atgccattga tgccttacct acctaggtgc agaggccctc 300
aattacctnc tcacacggcc tgggaagcccc gatccccctc gtcagcatct tgccctcctg 360
cccctctagc atcagatgtg cttgggtcact tacaccaggc catgacctta ttctagaatg 420
ctctatgtct caaggtgcat gcctagcgaa ctgggctctc tggagtatna accagatgtt 480
taaatacggg ctcagttacc tacacccttt ttttgtcaaa attatccact tganatattt 540
aagttcagag gaaaagttaa cgggc 565
```

<210> 664

<211> 446

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 28, 32, 33, 37, 41, 48, 49, 55, 61, 282, 289, 332, 344, 355, 379, 395, 408, 418

<223> n = A,T,C or G

<400> 664

```
ttgagacata gaaggcatte ctcaananag tnttggntcg ntgtaagnna ccaancacat 60
nggatgctat aggggcacag gaggctaaga tgctgacctg aggggatcgg ggcttccagg 120
ccgcgtgagg aggtaatga gggcctctgc acctaggtag gtaaggcatc aatggcatcc 180
tactttgtaa gcaaaactgaa gatacaggaa aactactttg gtcataaatt tgggggagcc 240
ttggctctga ctcttaatgg ccccttatgg tgtggcctgt anaatttcnc tctctgcttt 300
ttatgtgggt tttccctttg cggagagatg gngttttttc cggnatggct tcaanccagc 360
tagcggaaaag ggaaaagana aagttcataa aaaancctgg agggcganct tgtaccanac 420
cagaccgggt gggggtacca acccag 446
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<210> 665

<211> 105

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 85
 <223> n = A,T,C or G

<400> 665
 tagctggcct acaactcacc atgtatgcca gaaaagaaat gtacctgtct ctctgcttct 60
 tgattgttgg gattaaagat gtgtntctaca tcagcaaaaa aaaaa 105

<210> 666
 <211> 243
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 146, 167
 <223> n = A,T,C or G

<400> 666
 ctctctcttc attgacaagt taccagcac cgtgggttct cagttgtttg ttttgaatga 60
 tactgatctt tgcgttccgt gttacagact tggactccag gataatgagg gtttaaatta 120
 tccagatgct cattctttgc cagtgncata tttacaaaat ttcgtanttt aagcctttaa 180
 tttaaaaagc ctgctttaaa tactgcctgt gagtaaacc ttgataaaaa gacatgtgaa 240
 aaa 243

<210> 667
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 667
 ctctctgcaca cacgaagaaa gcaggatcgc ctcaactgtgc tgcttccaag tgttgtcccc 60
 aaataccact gaccaaaaaag cagggtgtttg cggatcagtg ccccttgga gtgagtcata 120
 ggcatgtttc aagaaggaag cagctaagac aacatgaatg aacaaaaaaa aa 172

<210> 668
 <211> 115
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 73
 <223> n = A,T,C or G

<400> 668
 gactgaggat tctgatgctt catgacatgc catcatgtag agcaataatg aacactggcc 60
 tatttttgac tangcctgga caattttggg accctccgtc tcaaaggaaa aaaaa 115

<210> 669
 <211> 346
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 149, 181, 190, 203, 218, 270
 <223> n = A,T,C or G

<400> 669
 actgtatggg ggcagccaca gcatccacaa ctcccaggnc cccagtctgg tctccggagc 60

- REPLACEMENT COPY -

```

ggacagcccc ccctccagtc ccaccggaca caactgggag atgaattatc aagaggcggc 120
aatctacctc caggaagggtc aaaacaacng acaagttctt caccacccc aaggatgcca 180
nagcgctggn ggcctacctc ttngtccaca accacttntt ctacatgatg gagctgctca 240
cggccctgct cctgctgctg ctgtcgctgn gcaagtcctc cgctgtcccc gtgctcaagc 300
tggacacttt acgtccacgc cacgctggaa ctctttgccc tcatgg 346

```

<210> 670

<211> 156

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 39, 45, 46, 51

<223> n = A,T,C or G

<400> 670

```

gacttggcaa gcctgaggag caccanaag ctgggacana gccannctga ncccgagcag 60
acactgcagc ccaggagggg ctgccagggc tcctcgtgaa tcctgacaac accgccatca 120
ttaaacattg ctttctcttt cttccaaaaa aaaaaa 156

```

<210> 671

<211> 267

<212> DNA

<213> Mus musculus

<400> 671

```

gactgagatt ccagaatttg ataacttgta cctggatatg aatgggatta tacatcagtg 60
ttcccatcct aatgatgatg atgttcactt cagaatttca gatgacaaaa tctttactga 120
catttttcac tacttggagg tggtgtttcg aattattaaa cctaggaaag tgttctttat 180
ggctgttgac ggtgtggctc ctcgagcaaa aatgaaccag caacgcggga ggcgttttag 240
gtcagccaag gaggcagaaa aaaaaaa 267

```

<210> 672

<211> 583

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 38, 45, 73, 77, 81, 85, 88, 103, 119, 155, 164, 165,
189, 236, 252, 268, 306, 466, 493, 498, 522, 537, 541, 555

<223> n = A,T,C or G

<400> 672

```

ccagtgcagg tgcattggtac canatggatg tcactagntg acctncccaa agcctgtctg 60
acactcgagt canactnatt nttcntcntg taaatgtgaa agngcacctt ctctgcggng 120
ctcacaactc aagcttgatc tggtccgggc atgcnaagggt ggcnnggtgg gccagctgac 180
ttacgacana cctgaagggc acagactttt gatcttgatt actgtaataa tttggnagtc 240
tgtgtctctt gngttaaaaa taaattgnta agaccactaa atacctaaaa gaaatctgtc 300
ctaagnnggt aaaacttcgg aaaaccaca acgagaagaa gtcggtcctg atgctgatcc 360
tctgcagctc cgctgtgcga gccctggagc tcatcagggtc tctgacagca ttcaaaggag 420
atgccaaaag ttatgaaatt atttgcaaaa catataaagg gtccangaac aggtaaaagt 480
tgcctggaga aancgtgnga taccacctgg gtgtggggga cntccgggga agaattnaaa 540
nacttgggtca aaacnagaat gggctccatt tgaaccctt aaa 583

```

<210> 673

<211> 212

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 21, 51, 95, 114, 133, 176, 187, 193
 <223> n = A,T,C or G

<400> 673
 tgtggaactc taaaaggtag ngacaggaag catggcttgg atccatatat ntactgcctc 60
 gaatcgatga attcgagctc ggtacccggg gatcngaagt tcctattcgg aagntcctat 120
 tctctataac cgnatacggg acttctcgac ctgcagagca tgcaagcttc gacctngaca 180
 gtctganaag gantgagggc tggatatggg ga 212

<210> 674
 <211> 432
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 335, 337, 342, 349, 358, 415
 <223> n = A,T,C or G

<400> 674
 atagactgag gttggagcag ccctacttca acgccaacgc tcagttcttc caggcactgg 60
 gccagtgtct gtctctgcag cgctgtgtcc tggatatctg cagcggcacc ctgcagccag 120
 atgccgtgct ggccttttatg gcccggttgc tgcaggctgt catgtgtcac atgttcaccg 180
 gagaatccct taccacctgc aagagcctgc agcagtcgct cctccggagt ttccaggccg 240
 agagggccgc gttgaacgtc gtcactcttc ccctgtctca cgagggcctg acagatgtca 300
 tccgagatgt ccccatgtct cacctggatg agatnanctt gntcaaaaanc cgtgtggntg 360
 atgaaccggc caacctatgg tggtgaaagg accttggcag ccggccaaca agtctntgccg 420
 cagtcacca at 432

<210> 675
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 675
 agactgagtc gagatttctt atttatcggt atcctggaaa gccaccaact caagtcacag 60
 ataattggctt tgaagacaag attattctct gttattcaaa taatggccat tatgattctg 120
 tatattcaaa agaatttcaa tcaactgcag gaatttgtca agctatatta tatgaacttc 180
 ttataaaaga tgtatttggt gtggatgaag aaacgttgaa aactgcagtc gatttatttc 240
 gaagtgggtc caggagaaac aaacaccatg ctttggctgc ctgatgtaat ctctctgggt 300
 tgaggcatta ttaaaagtgt gatttgtgcc taaaaaaaaa aa 342

<210> 676
 <211> 240
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 55, 76
 <223> n = A,T,C or G

<400> 676
 gacgtctggg gagctcctgc attaatgcaa gaactgatnc ccctgtacac cgaantttag 60
 accggtcaca gtcangcgg ccctagacgc ttctggcaca gggatggagg ctggctgggtc 120
 actgctgctt tgaaagtccc aaacatcttt gaacaggtga gaagaaacta ctttttcctc 180
 tcttttagacc tctgaccagg aagggatctg aacaaggaat ctgaatttaa aaaaaagaa 240

- REPLACEMENT COPY -

<210> 677

<211> 292

<212> DNA

<213> Mus musculus

<400> 677

```
gactgagctt tctccagacc agatcgtctt gcttttggag tggctcttag agcagaagac 60
gctgagccct cagacactgc actgtctcca gcagacttac catctcccgg agcaggatgc 120
agagggacgt cctgactaca tacatgtact gtggactgcc cagcaatcga tgggtgtgaaa 180
gccgtccttc ctctgaagaa ctctctgcct gatctgtcct cagagcccga ccatgctgct 240
ctccgtctgt ggcattaata actgaataaa tctcttacct aaagaaaaaa aa 292
```

<210> 678

<211> 454

<212> DNA

<213> Mus musculus

<400> 678

```
gggcaaaaac caatccagac ctgcactgcc agtgaggaat acctgacctt cacctaaagg 60
gacaaaggag tcaaggagtg tgctcgggag ccatgtgcac accgtccatc ctgtgtgcag 120
tgctgaggat gccgtctgaa cgagggagcc agagaacatt gcagcatccg tcacccgcag 180
ctgtgactct gcagacttac agactaaaat cacagcagga tgactgttgg atcctgcctc 240
accatcatct cccgttcttt cctatgtgca ttttctacag aaagggtatt actgaaaagg 300
gagttggagg aagaggatgc tatttaatat ccaaatagcc agccgcgtgt tccacaaaac 360
tcctggccaa gtggccatta ctgttcagcc tggacctagg aaactgctat ctttttgtcc 420
actgggagta cccaaaattt ccttctggga caga 454
```

<210> 679

<211> 382

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 39, 48, 293, 318, 319, 352

<223> n = A,T,C or G

<400> 679

```
cagaagagaa gcttatgtna taataacacc acttagaanc aaaaaagntg atagagcaaa 60
gatgtataga ctacagtctc tctattgaag gaatatcgga ctttttcaaa gcaaagcatc 120
aagaagaaag tgactcagat atacatggaa ctccaagtgc taccagtaag tctcaagaga 180
cctttgaaca tagagtggga tttgaaggca ataccaagga ggactgcaat gaatgtgaca 240
taatcactgc cagacatatt cagatacctt gcccgaaaag tatacaaatg ctnaccaatg 300
atatttatgaa aaagaacnng ttgccctcaa aactgcagaa aactgaaaat cnaatagggt 360
gtatcacagt attgccggtc ct 382
```

<210> 680

<211> 770

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 45, 55, 64, 67, 68, 119, 142, 550, 552, 635, 639, 641, 651, 681, 684, 694, 709, 723, 725, 732, 739, 748

<223> n = A,T,C or G

<400> 680

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actgagggaa caagactggc agacttgccg aaagaaacgt catgnggtta tgtancgtgt 60
tctngannaa ggacttcgga gtcacctact aggagtcttc cctccctccc tccctcttnc 120
ctgcgccag catcatggcc gntcgctga tgaagcgggtg tacctgcctg cttcgagagg 180
```


- REPLACEMENT COPY -

```

ctacccgcct agttcctact gttgccccag ttggccgact gagacttgct ggagtgtcct 240
gcaagacttt gacgtcctct gtcagttccc cctcctcggg ctccttggcg gagctgttgg 300
ggaaagagca ggtgtttact ccgtaccag agcaccaaga gctggacttc ctcattgaga 360
aagcctccag accagagcag ctgctggagc tgctgggttc tgaccatagc ctgcaccaca 420
atcacgcggc cctcatcctc atccgcctgt cctacctgct gtctgagaag ccaaaggaaa 480
aggccttgct tgcaaaggat gctcgctttc agcgacttgt caagctagtt gatagtcagg 540
aacctggtan gnacttcaga gacaagcagc ccaacactgg cctgctatca ggagtagagg 600
agatgaacct gcttcttcca gttccttggg acttntctgnt nacaagcaga ncctttgact 660
taaatcccta ccaatctttt naanatctgg gtgnccattt ggacttcctt tgaagccaga 720
aananaatcc anattggtna atggaggnc ctaaactag gacttccttt 770

```

<210> 681
 <211> 408
 <212> DNA
 <213> Mus musculus

```

<400> 681
gactgagtct tgttttcaga ctggactcag gctggccttg aactcccagt gtagctgagg 60
atgacctttc gctcatggac ttctgtttc cacttcctaa gtgctgggat tccagggtccg 120
tatcacctgt atgtatctta ctcatatcac cgcattctct gagtacccat cccctttata 180
atagcatctt tggcttgggc tgaggcccca gtcagcagca tatctatttc tttttgctta 240
tcttcccatg ttttctgtat tgaaactatt cccagtgtat agtgttcaca tgagtccttt 300
tctcacttgg tacctccctc catcatcaag ttgctgagtg aaatgaacaa tataacggtc 360
ccctaattct caggaggggac tttttaaata aatgtgtttt aaaatcat 408

```

<210> 682
 <211> 388
 <212> DNA
 <213> Mus musculus

```

<400> 682
gaggagcctg aagctaccgt ggactctgct gtggcgtctt ggcccccagg tgcggatcct 60
ccccagtgag aagtcccacg agtcttacag caggtagcgt ccgctcgttg gcgccccagg 120
acagttttgc attagaacgt tatcattcat ttcaacctta cctaaccgat agccgtagcc 180
ctccgtgctc ttggtggacg ttgtaagcaa gcgctctgcc taagccgagc cttgcgctat 240
ttgtaaaatt cccaacgctt gtcctttttt agactcgaca gttctgaaca gggcggtgta 300
tggggggtgt ggagggtaga ggtcaaggct ggccagttag attgtctggc tttttctttt 360
taaataaatt agctcactta aaaaaaaaa 388

```

<210> 683
 <211> 226
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 90, 132, 135
 <223> n = A,T,C or G

```

<400> 683
ccagcagact ttaccctttt ggccagtttt ggagtttccc tttgccggaa ggttggatga 60
aggaaagaga cctccagcct cagcgttctn ctcacattct gagaggaaa gaggaagagg 120
gccatgctgt gnggnccaag gctggctttg cccggggaag gagccaaaaa ctcccgggga 180
aatgatgga agatggaata aatcaataaa atcagacca acaaga 226

```

<210> 684
 <211> 206
 <212> DNA
 <213> Mus musculus

<400> 684

- REPLACEMENT COPY -

```

ggctctagggtt ggtctggaag aagatgtgta gctgatgatg accctccatc agcttacgat 60
cctcctgcct cactccag gggctgagat gacatccacg tgtacccatg gctttgtgcg 120
tgaaccacca gcaactgtatg gcgctacctc cacagccata aaatgctaac attttaataa 180
atttttagct aattgaaaaa aaaaaa 206

```

<210> 685
 <211> 210
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 137, 175, 184, 185
 <223> n = A,T,C or G

```

<400> 685
gataagaacc tattacattt gttttctata aatggaaagt atctggggtc tcaagtcctg 60
agtgaacaaa tatcagacat gtgcataatt ggagaacaca ttatcactgg cagcttacia 120
gggctcctgt ctataanaga gctccacagc ttgaagctca gcgtcactcc attanccatg 180
cgannaccta tccactgcgt tttataacct 210

```

<210> 686
 <211> 338
 <212> DNA
 <213> Mus musculus

```

<400> 686
atggttgttaa gctgctgtgt gtgctgggaa ctgaatcgag tcctctggaa gaacagcagt 60
gctcttaacc ctgagtcac cctgccccat cctgtatatg taaagccctg ccttggtcct 120
tgcagactga tgggttcaga agacacttgt gtttcttggc ttaaactct ctcctaaatt 180
ccaggctcctg cacactctaa gaaggaactt ttgagtttcc ataccagtcc actgtctccc 240
cctcctggac agccagaacc ttgagagccc ggctatgcag tcttgtttgt ttgccacct 300
tactgtcaat aaaggtgatg ccattcctaa aaaaaaaa 338

```

<210> 687
 <211> 371
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 47, 54, 55, 76, 78, 80, 100, 101, 124, 125, 126, 128,
 132, 137, 138, 145, 146, 147, 152, 153, 163, 168, 170, 175,
 179, 185, 186, 197, 204, 345
 <223> n = A,T,C or G

```

<400> 687
agatctacct gcctctgctg atgttccntt ggcttgtgct ggctgangcc agannagggc 60
gtcagatgct caggancnan acacacttac tgacagctgn naatctgctc tttgggtggc 120
tggnntnca anagtannaa aggcnnntaa gnnttcttaa ccncagangn taggngctng 180
atganncctg gcaactcngt ttgngtggac ctaggagag gtttccactc tgcctttccc 240
caaaactgat tgcattctga gatctcagca ttgagaccct taaaaagctc cacctgcagt 300
tagttagaaa cttgttgtcc tgtgggagtc aaggaaaatc ctcnccccct aaaatatttg 360
aaatttttat t 371

```

<210> 688
 <211> 424
 <212> DNA
 <213> Mus musculus

<220>



- REPLACEMENT COPY -

<221> misc_feature
<222> 182, 244, 374, 375, 400
<223> n = A,T,C or G

<400> 688
ctgaggtggc tggatgatagc agttgggctg gtgagagcat acctggctaa ggggagctac 60
catagccttt attattcaat agaaaggcct ttgaagttct tccagacagg agccttactg 120
gagattttac attgtgctat agggattgtg ccatcttctg ttgtcctgac ttctttccag 180
gngatgtcaa gagttttcct aatatgggca gtgacacata gtgtcaaaga ggtgcagagt 240
gaanacagtg tacttctgtt tgtcattgcc tggacaatca cggaaattat cccgttactc 300
cttttacaca ttcagtctat taaaccatct gccttatatc atcaaattggg ccaagggtaca 360
cactttttca ttcnnggctg gaccccaaag gggagtgacn gggagaagct cctcacaata 420
tacc 424

<210> 689
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 48, 112, 132, 157, 159, 160, 175, 199, 209, 214
<223> n = A,T,C or G

<400> 689
gggagccaga cacccaanga gaatctactg aaactacagc ttgctaangt tgtcttaaca 60
aaagatagaa gctcaacttg acaagattcg tctggatccc agggtaatgc angacaaaacc 120
cacaccattt tncatctgtg cgcacataca agcatgngnn tgagccagta agcancgagg 180
atggtaaagc caggtgttng acagcaganc gtancatcat tttcttacia taattttattt 240
gtttctagac aagatca 257

<210> 690
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 373
<223> n = A,T,C or G

<400> 690
attcttacta acggattttg ctgcagcgca cttccgaccc aatctagagc atgcagagtt 60
ctaccataaaa tatgaccggc ggtggcagga aacatctgtg gtacatgcca gaagaatata 120
tcagacaggg aagactttcc gttaaaactg atgtctacag cttcggaatc gtgatcatgg 180
aggttctaac gggctgcaaa gtgggtgctg atgacccgaa acacgttcag ctgcgggacc 240
tcctcatgga actgatggag aaaagaggcc tagactcctg cctgtccttc ttagacagga 300
agataccacc ctgtcctcgg aacttctctg caaagctctt ctctctggcg ggcccgggtgt 360
ggtggcaacc aangccaagt ttaagacca cgaatggacc gaaaggtcct t 411

<210> 691
<211> 657
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 126, 292, 418, 458, 495, 548, 555, 558, 561, 571, 574,
589, 602, 607, 608, 609, 619, 636
<223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 691
gagctttgag attcttctnc ggggatcggc cataaaaaaga cagaataaaa cgcacgggtg 60
ttgggtccgt ttgttcggat cctcgaggcg cgccatttaa atggcgcgcc ggccagcgag 120
gccggnaccc aattcgccct atagggaaaa tgtgaactga tagttaacca agccacagag 180
agctctgtgg ggagagacca ggtgacctca tgatgtccct cagtgtctgca ggtctggaga 240
aactgaccac agctcatagg tcaggtgacc aacggaggca ctgactaatc angattgtag 300
tactgtgact gtggggatca ttaaggggtc aggggtgacc cgcaagcctg gagcttaggg 360
gcctagacat ttgccacttt gatacaaagg ggtggtcagc attctgtctg tcctattntt 420
ttccaagccc ccctggtttc ccgctccttg ccgccttntt tttttagggg ccttctctta 480
ccataagcct tgganctggc cttgaacttt ttttttgcca gaaccggggg cttgaccttg 540
ggaagctnac aggcnaagntc ntatcttacc ntgnctgtg tttctgaang ggtttggggg 600
tngcaannnt tacccccang ctctcttggc ccccntttt ccattaaaac aaacccc 657
```

```
<210> 692
<211> 141
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 47, 54, 85, 98, 123
<223> n = A,T,C or G
```

```
<400> 692
ggtcctcctc tatggcctgt ccatgagctc ctgccttgac ttccctncat gatngactat 60
aaactgtcag ctttgagtct cgatnaagaa cacagatnaa gatggaacaa ttaccttttc 120
ggnacccggg caccacttgt g 141
```

```
<210> 693
<211> 544
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 47, 54, 128, 275, 305, 307, 383, 408, 431, 435, 447, 451,
460, 470, 478, 491, 494, 511, 519
<223> n = A,T,C or G
```

```
<400> 693
aactgagttg aagcctgaga caagacaatc ccagagagat gaagtgnatg accnaataac 60
acctgctctg tgaggaaatc cactgcacct gagaaacggt gttgccagtg ttgctgcttg 120
tgatacanat ggaaaggagc ccgggaatcc attggacagg ctcttctccc tggagcagca 180
agcttctatc ttacaaagtg ctgaatacag cttctgataa agaactggaa gctttcaggt 240
tgcttcgagg aaggaaagtc ccgtcaatat tgtanaacac aagaaagaaa tttgggccgt 300
ttcanangtt ggagaatttg atagacgtgc cctttgatcc aatataaaaac tgctgttgaa 360
gttgtaactc cattctctgt ccngagaaca gacggaggaa aaaagtcnca gggagaaagt 420
ggctgcttga naaangttca ttcaaanccc nggggttgan ccaagaaaaa actttaangg 480
gcagcttaaa naanattcgc atcttttttg ntttttggn aatttcgaaa aattgcattg 544
ggct
```

```
<210> 694
<211> 265
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 107, 115, 126, 140, 146, 153, 158, 159, 160, 162, 165, 169,
172, 175, 180, 190, 194, 196, 199, 201, 209, 229, 241, 249
<223> n = A,T,C or G
```

- REPLACEMENT COPY -

```
<400> 694
agactgatga atgctgacca gtgagatgcc agcctgcgtg tgaagatcct acagcagaag 60
tgcattggcca gtgacacaag aacttgctgt agatgccagg acttggnagg tgggncttga 120
tccctnaaga ctctgcactn acaccncacg acntaatnnn tnatnactnt gncntccan 180
cccaagcatn tacnatttna ntgctttnt tagtactggg atgtttgana tggggtctat 240
ntacttgtnt cttgctgtcc ctatc 265
```

```
<210> 695
<211> 132
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 18, 29, 39, 63, 67, 101, 103, 116
<223> n = A,T,C or G
```

```
<400> 695
tgaggaactc tcaaaggntc ggacaaggna agcatggcgt ggttccatat atctactgcc 60
tcnaatngat gaattcgagc tcgggtacccg gggatcgaag ntntctattgg gaagtncccta 120
ttctctagaa ag 132
```

```
<210> 696
<211> 514
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 19, 35, 43, 52, 53, 55, 69, 70, 73, 88, 108, 132, 135, 139,
154, 167, 183, 215, 239, 243, 245, 269, 292, 294, 313, 317,
327, 365, 382, 392, 394, 414, 415, 437, 453, 476, 478, 493
<223> n = A,T,C or G
```

```
<400> 696
gcctcctgct gctcctatnt gtgggattga tcatnaccta tgngatgctg annanccaaa 60
agataaccnn ganggcttag agaaggtnca gcaaggatga ggctgtangg gccttctcca 120
tatctcctcc anaanaggna ccaagggtca cagnttacia gatggtnaag ctggctgcac 180
tgnagccctc tttgggacat ggggctgtat tctntcatt ttgacaacct ggatccctnt 240
ctntnttggg catcctttta gaagccaana gaaagggtggg ttgtgaagcc tntnactttc 300
cttatgctca gangctnaac attgctngtt ggtcctgtcc atctcacagc taaagctccc 360
tgtcncctcc accgagactc tntctttacc tntntcttct accacttgtc taanngattg 420
acatgccttc acctctntgt ccagaactgt acngttacat ggcagctctt ccctananac 480
actttccatc ttnatgaaga cttctggacc cagg 514
```

```
<210> 697
<211> 101
<212> DNA
<213> Mus musculus
```

```
<400> 697
gaccactaga caggagatgc tgccaagtgc cccagacggg atcaagactc caatgacaac 60
cataagattc cctaaagcta agacactgca aagaaaaaaa a 101
```

```
<210> 698
<211> 306
<212> DNA
<213> Mus musculus
```

```
<400> 698
agactggcct cttgacttgg atttcccagt cttcacaagc acaagacaaa cacatttctg 60
```

- REPLACEMENT COPY -

```

ttcattataa atcactctgc tccagacatg tggttacact ggaacaagat ggaccaagac 120
aggcaacgtc cttacaagaa cctcaacgtg aagacccatg ctttgctttg ctttgtcttc 180
caagatgatg cttactcagt ggccaatact caacacaggt agaaaccaat aaatcagtga 240
attagcacat ttgtggtaaa caaatgtatc aataaaatta aatgtatctg tagatgaaaa 300
aaaaaa 306

```

```

<210> 699
<211> 359
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 143, 145, 146, 147, 151, 152, 153, 160, 165, 166, 173, 174,
177, 185, 190, 194, 202, 208, 209, 213, 216, 220, 226, 231,
233, 244, 252, 259, 261, 270, 284, 294, 302, 303, 306
<223> n = A,T,C or G

```

```

<400> 699
ggtcttggtg gataccagtt ctgtttcgag taacactgct aaccctgaga atgagtcaga 60
agagcagtct tcacccccga ggagaaggaa aagacagtgc gccctctca atctgacaga 120
gccgagcctt aaaaggcagg tgngnnnatg nnnttaatgn gcttnngagg acnnttntgc 180
ctggnntagn actngaacac tnccgaannt cangnncgcn gatgantctg ntngacagtg 240
ggancctggt cnatattang ncacgatgan ccctttttct gcgnctttct ctantattaa 300
annaantcag ctttcgttta atttctatct tactactgtc attttaaaac ctttaattg 359

```

```

<210> 700
<211> 381
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 240, 241, 246, 249, 257, 271, 272, 276, 293, 294, 320, 324,
326, 333, 340
<223> n = A,T,C or G

```

```

<400> 700
gactgagatt taggaccgat aagcctcaat tggtttgagg agctttcctc agaagcccc 60
ccatacaatt ctgaacctcc ggaggaatct gagtataagc cccacggtta tgaaccacag 120
ctgtttaaaa caccacagag gaatcccccc taccatcagt ttgcttcaac tccaataatg 180
ttcaaagaac gaagtcaaac tctaccactg gaccagtcgc ctttcagaga attagggaaan 240
naggtnggng ggggggnaca tgcctttaat nntagnacta aaaaggcaga ggnncggtgg 300
ggctctctga gttatgaggn cctntngctt tanttatcan ggacgaggac tgccaagagc 360
tgcatactgg agagatgctt t 381

```

```

<210> 701
<211> 274
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G

```

```

<400> 701
gactgagggg aggcctcaaa aatgagaaga ttctattntt ggatctgcca gcaactggggc 60
tgtctctgca gccctggctc ggaataccca cacctagaat ttccaagagc tggcaggata 120
atgggcgccc aaagctgttc acatctcaag tctccggaac ccaggacctt aggtggtaga 180
ctgcaggatc aatatgagta tcagaggcag cagcaggatg cgatgctctg tgtgagcccc 240

```

- REPLACEMENT COPY -

catgacatcg tgagatgccg ggacttggaa ggtg 274

<210> 702
 <211> 416
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 226, 227, 234, 250, 253, 256, 269, 270, 279, 288, 291, 292
 <223> n = A,T,C or G

<400> 702
 actgagattt gaggagggga aaatatgatg gtgtgaagat cctcttagcc atcacaaaga 60
 tatggcaggc gtgtgaagga caattgtgtg cattcattag ctgcttccgc caagcaagaa 120
 ttgtcatcaa aaggaagaaa ttaccagcgc tgctacattt aaactcagcc tgggccagca 180
 gccatgagca gtggccacag tgaaccttgg aggccactag gcaggngga aagnttggag 240
 ctacattccn gcnagncttt ggatcctgnn ttgggtatnc ccataatntg nnttggcaga 300
 tagaagcaaa gctcaacatc cccaggatgc ctgcataatc ggttggaaac tcaactccac 360
 tccatttact tgggtgtactc ttcagggggtc gtgagatgcc atgacttga aaggtg 416

<210> 703
 <211> 127
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 55, 59, 60, 63, 64, 67, 76, 87, 90
 <223> n = A,T,C or G

<400> 703
 actgagctgg gatgaaagca gctccattag cagtgggctc agcgatgcct ccgtnagann 60
 ccnntantag gagggngatg ccagctnctn acccgacgtg agatgccagg acttggaagg 120
 tgaaaaa 127

<210> 704
 <211> 434
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 73, 375, 387, 409, 417
 <223> n = A,T,C or G

<400> 704
 agactgagac cccctgtgat gcttcctgac tgatcatgtt ataagtgtgc ccggaatcca 60
 aaggcagcat atnctgtgga agaattgtct tcatcatgga gagtcaacag gatgaagctg 120
 ttcaaaccac aggagcatca acttctagcg atgcccaaga ccaggagct gaaaaggag 180
 ccaagaataa gacaactgag gcaacagaag gaccaacatc agagcctccc ttatcaggcc 240
 caggtaggct gaagaaaact gccatgaaac tctttggtgg caagaaggga atctgtactc 300
 tgcctagttt ctttgggggt ggccaaacaa aggttctggg aaagtcagct cttagaaaaa 360
 gtctaaacaa gagtnagact cagcatngtc taagtgaac cgtcttcang gaccttnaaa 420
 attttgtcat ttga 434

<210> 705
 <211> 444
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 78, 90, 107, 114, 122, 130, 133, 157, 169, 250, 265, 302,
324, 351, 372, 396, 402
<223> n = A,T,C or G

<400> 705
agactgagaa agaactctgc aacatgatac ttgattgctg tgcccaacaa aggacctatg 60
aaaaattttt tggcttgnta gctgggcggn tttgtatgct gaaaaangga tacntgggat 120
cntttggaan ganattcaag ggaccaggac caaccnttc cttcggtana gaacaaccaa 180
atggagaaag gtgcttaaaa tggttggctt cccctttatt cccagaatt cacttcccgt 240
gggagggtgn tcttcgaatg gtatnaaaac tggagtggaa agaagacccc cgaacattcg 300
tntaaatccg aaattttttt gtcnaagaat ctttctttcc aggaacctgg ngtggaaata 360
ccattggggt cnttcctaa aacctggaat gccganggtt gnaagggatg aaaacttctt 420
ccagcccttt cgtgaggatg ccca                                     444

<210> 706
<211> 264
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 18, 25, 42, 46, 47, 75, 87, 101, 102, 117, 121, 122,
143, 149, 157, 158, 167, 172, 203, 206, 216
<223> n = A,T,C or G

<400> 706
ttcttgtgga actctcnnag gtcangacag gatctgtgta cncaanngat acgaacggga 60
cggcacggac gggantccac aaggtangaa gcctgcgccg nnagatgcca cgacttnaaa 120
nncgggacca gtccgacagt canggccgnc gcccgcnncg acgtaancca cncgcgcaga 180
aacggacgcc gcggtcaaga tgnctntgtc atgccnaacy ggacgcacgg acgcacggac 240
ggacttcaaa aggtaggaag cctg                                     264

<210> 707
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 29, 31, 41, 49, 68
<223> n = A,T,C or G

<400> 707
ctccatcact atacgggaga tgctgncang ngccccagac ngtatcaana ctccaatgac 60
aaccatanga ttccctaaag ctaaagacac tgcttaaaaa ataaaaa 106

<210> 708
<211> 205
<212> DNA
<213> Mus musculus

<400> 708
aactgagccc ggactttcgc gacgccttcc gtcgtcttct gtgtatgcta cgggtggccgt 60
ggaccggagg agccacgcgc agtcaccttc ccagccagcc ctgttgaagc caggcagagt 120
ccaccgctca acaggtttga tggctatgaa ggtgcgcgct cgtttccac gtgaagggcc 180
gtgagatgcc aggacttgga ggtgg                                     205

<210> 709
<211> 188

```


- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 32, 36, 37, 47, 48, 63, 74, 75, 80, 103, 119, 135, 148

<223> n = A,T,C or G

<400> 709

```
ttaacacact gaggggtctga catggctcac cngacnncta gtgcagnngt tgctcctggg 60
ganctggatg gtcnnactgn gctcaaatac agacctactc ggnccacgga ctgaacttnt 120
caatgtctgc gtganatgcc agggactnng aaggtgggac aacgtgagat gccaggactt 180
ggaagggtg                                     188
```

<210> 710

<211> 242

<212> DNA

<213> Mus musculus

<400> 710

```
actgaggtgg ggtcttttcag agtcttctctg tccaagacca gtgactgcct gcttccaatc 60
tgtggtcccc gggacagctg agcttgctcc ggcagcagag agactctgga gggcttgctg 120
ggaagtccgg cccgctcggc tatgattgac ggcagcggct tccaatcgag aagcttctcc 180
acttctgttt tccaggagca gggaaaagcg ccagaagtcg gagatgccag gacttggagg 240
tg                                             242
```

<210> 711

<211> 312

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 47, 55, 68, 85, 108, 118, 121, 128, 135, 139, 149, 171, 174, 176, 178, 179, 181, 183, 187, 188, 189, 196, 205, 218, 224, 226, 282

<223> n = A,T,C or G

<400> 711

```
cctaccctga ctgaggtatc cccaggcatc atctattgac ggagcngac gatcnacacg 60
cttaactntg aaccaggata cattnatgct aggtaccac atgtcggngg gaagggcnat 120
ngaggacncc atgnacant cctcgagang gcggctccca ggacgccggg ngangncng 180
nntcannna caccantagc agcantggca gtggccanaa ggcngnagga acagacaaaa 240
gtaccgcggt ggccgccacc acggcgccga cctacgtggc anacgatgcc ccacccctg 300
agcgtcgtga ga                                     312
```

<210> 712

<211> 408

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 24, 30, 53, 76, 92, 93, 95, 97, 100, 113, 114, 119, 124, 138, 149, 152, 153, 158, 159, 160, 162, 165, 166, 174, 220, 360

<223> n = A,T,C or G

<400> 712

```
agtccggcaa cagctantct aganacctgn ataaaagggt ctaattacta canatgaaag 60
aggaagatga cggacnatga tgactttaat gnnancnacn aggaggattg atnntcanc 120
```

- REPLACEMENT COPY -

```
ccgnacaccc ctctcccntt cgaatcagnt tnnggaannn cncnntaga gganagaaac 180
ttaaaggggg gctttctgtt ctttttgccc tactcccaan aagatacccg cgagttctgg 240
agttagatgt gcagctccaa gtgaggagga gtgtgcgcag tttgagccta gctgcggatg 300
tgttgtgaag ccagcgtgct aatgcagagc ctctatctac cttttaggat tttatgggtn 360
ctctcttttc tctctttttt ttccttttct ttcttttttg aatttgaa 408
```

<210> 713
 <211> 295
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 73, 102, 112, 121, 151, 153, 173, 196, 205, 211, 249,
 260, 268
 <223> n = A,T,C or G

```
<400> 713
tgaggtgggg tctttcacn cgaccgtgtc tggaccaggt cttcgagatt cccatgtctt 60
cattggtggc tanatgaact acatgcagtt tatgcgcttt gncagtgatg gnactactca 120
naggatccag gcgcgagggc cctgggtgaa ncngatgggg cctgtgtatt tgnagatgga 180
aagaaggaaa acggtgnagct attcncacag ngcccagataa aacctgcgat tcgcaatcca 240
ggtctacanc cagagcgacn aggtttgnaa catggggcca gaccgaccgc ctctt 295
```

<210> 714
 <211> 282
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 43, 78, 96, 124, 129, 135, 143, 147, 182, 214, 216, 224,
 264, 266
 <223> n = A,T,C or G

```
<400> 714
tgggggcaca aatgcacatt ggtgggaaaag gaacccgggt gtngaaagaa ttatggttca 60
tgggaaacact cacagcanac cgataaaaaa ctgccnttct ccttaaagaa attaggggta 120
aacnacatnt ccgnggtttg aanaggngaa caccgtttac aaaaccaagg aacaagtgat 180
cnatgttaac accaccatca aggctttttt tggngangcaa actntttttc caaggccacg 240
ttttggagtc caaaaggcaa gccncncaag acctttctgt tg 282
```

<210> 715
 <211> 304
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 48, 49, 54, 59, 83, 84, 85, 90, 95, 100, 102, 113, 117,
 122, 132, 135, 147, 150, 171, 191, 200, 207, 223, 245, 246,
 276
 <223> n = A,T,C or G

```
<400> 715
ggacggagca ccgtgacacc ggggcagatc ctacagacag nctgtgannt cccnaggtnt 60
ggacttttga tcataagcac atnnngaggn ataantgccn tncgtgtgaa cangccncaa 120
anccaatcat gntgngactg gttgttnccn agacagtgga accactactg naccacact 180
gcacatcctg nctgctcagn aggtcanttt catagcctgc tanggtctac ccgtagagat 240
gccannactt ggaagggtggc ttcaacaaac ttctangaca gttcactttg attggaattt 300
cccc 304
```

- REPLACEMENT COPY -

<210> 716
 <211> 456
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 121, 124, 135, 370, 371, 386, 389
 <223> n = A,T,C or G

<400> 716
 ctgaggcctc cccagcccag ctgccctgcc ttcatactg tcaagctgag ccctttgcga 60
 gatcgactcg tggtagactga gtgccagctg acccactcac acccagcctg cccacgtgag 120
 ntcncctacc acttncgccc aggccacttg ctggccaatt cctgcctgcc agtccgcatc 180
 accaaccaga tctccaaaca gtttgtggcc cctgctgatg tgcgccgcct gctgacccat 240
 tgcaagggcc cagaccatgg ggtcctagat gccctgcaag tgcttgaggg gctcttccgc 300
 acagatccgg aggccaagta ccgggacttg ctggtgccat tttaaagatg aaatggagat 360
 gagggcagcn nccaaaagcc ccttanccng aaagaagact gagaggaatg aacagtcagt 420
 tcctacaaga agaaaccggc aggaatggag gttgtt 456

<210> 717
 <211> 126
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31
 <223> n = A,T,C or G

<400> 717
 ggttccgttg acacactgag aacttcctgg ngaaactagt gagccaagct gggacagggt 60
 tctccttcaa ccacaagaga agccgactcc gagagaagct gagccttctg cactatgatc 120
 caatag 126

<210> 718
 <211> 189
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 127, 136, 139, 150
 <223> n = A,T,C or G

<400> 718
 ggcaaacata gtcgccatta tgattagcta cccaaaagga cgggaaattt ttgatctggt 60
 gcaaaaagga attccagtaa aaatgcggat agagattggt actctgtcat atgcaggagt 120
 tcatcancgg tcagtntgng gtgcttgagn ccccccgcct ttatcacat tgatgaccat 180
 tttctttac 189

<210> 719
 <211> 312
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 178
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 719
cactgagtgt gtaaagtgaa caatggccag taatcacaaa tcttcagccc ctgcgcctat 60
ttctcggggg ggaataggac taacaggaag gcctccttct ggaataagac ctccatctgg 120
caatgttctga gtggcaactg caatgccacc aacaacagca agaccagggt ctctgtggngg 180
tcccttaggg actggtggag ttttgtcatc tcaaatacaaa gttgctgac gtcctgtgac 240
ccaacaagggt ttgagtggaa tgaagactgg catgaaagggt cccagagggc ccgtgagatg 300
ccaggacttg ga 312

<210> 720
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 26, 36, 42, 46, 50, 63, 77, 98, 101, 105, 116, 119, 120,
121, 141, 190, 196, 210, 239, 257, 267, 272, 278, 288, 289,
292, 297, 301, 316, 319, 369, 373, 385
<223> n = A,T,C or G

<400> 720
caactgagat atgcttttgt gnttanggaa tttgangggg antgcnctgn atcacttttg 60
gtnatatcat cactggngctg gtttgaccca ctggctgnca ngatnctggg acctgntggn 120
nggccctgga gctatttggg ngactacacc ctatcctgca cataatcacc tgccgctggg 180
tccagactcn aagttncnaag atgccttcn ggctaaaacc cggacatgtg agccactgnc 240
aggccccaac aattacncag aacctatngt gnacctgnga aaggcatnng anattntaa 300
naagcactgg tggatngng ctccatggaa gaagaaaaga attaaagaaa acccgacttg 360
gagaaaatnc tgnaaccctt gcaanagagg ccccgagct tttccagag actatgccct 420
atcctgca 428

<210> 721
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42, 48, 52, 108, 111
<223> n = A,T,C or G

<400> 721
cagaggtgcg aggggggaccc attttatgaa gttctgggta angtgtcncc tnggaagacg 60
tgactgacag aaaacatcaa atctgaaatt cttggatgag acagaccngt ncaccgataa 120
cagaacaaaa aagaaa 136

<210> 722
<211> 213
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 116, 164
<223> n = A,T,C or G

<400> 722
cctgctgcca aggctaatag tgataccag actccaagtc acttcaaagt caccaccccc 60
agactcaggg atcatgntga agaagaagtc ctccaaaaag aagggttca aatttntgca 120
ggagaagatg tttgaagttt cagcatgtca tcaggaatca gttnttgag cagataagcc 180
agcagatgca gtgcgtcccg ccgtgagatg cca 213

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<210> 723
 <211> 424
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 380, 389, 402
 <223> n = A,T,C or G

<400> 723
 gaggtgcccc gatcattgat ttgatgatgc tcgtgattga tgtgaccaag ggaatgcaga 60
 cacagtccgc agagtgcctt gtgattggcc agatcgctg ccagaagctg gttgtggtgc 120
 tgaacaaaat agacctgtta gcagaaggga agagacaggc agcgattgac aaaatgacca 180
 agaaaatgca gaagactctt gagaacacca aattccgggg tgcaccgatt attcccgtgg 240
 cagccaaacc tgggggacca gaagcccctg aaactgaagc tccacagggc atctcagaac 300
 tcattgagct cctgaagtcc cagattttcca tcccaacgag agaccctctt ggaccattcc 360
 ttatgtctgt ggaccactgn ttctccatna aggggtcaag gnccccgggg tgaatgggac 420
 tttc 424

<210> 724
 <211> 180
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 48, 49, 52, 55, 57, 59, 62, 64, 65, 104, 113, 164
 <223> n = A,T,C or G

<400> 724
 tgcgtcaggc ctagcatact gaagggcaca ccctgcacct tacgccanna tncngntnt 60
 antnncctgt accgagttgg agtcatcaaa acctattctg aagngaggga gtngagacgt 120
 tctcctaggt taagggctgg ctccatggcc tcctcagggg attntgttcc caagtgggtcc 180

<210> 725
 <211> 125
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 19, 22, 43, 64, 67, 69, 70, 99
 <223> n = A,T,C or G

<400> 725
 cccacggttc ggggggggna anaggaaga ggggagcgaa agncaaacat tctcaaactc 60
 cggngantnn caaaccacag agctgcctgc agaaaatgna gagacggaaa accatagttc 120
 accct 125

<210> 726
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 29, 48
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 726
actgggtgat gaagcttcag actgagncng gagatgctgc caagtgcnc cc agacgggatc 60
aagactccaa tgacaaccat aagattccct aaagctaaga cactgcataa aaaaaaaa 118

<210> 727
<211> 105
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 36, 37, 46, 47, 49, 65, 69, 84
<223> n = A,T,C or G

<400> 727
tttgttgaag acgcttngat accggacggg ccagcnnaca agcgcnnngng gcgggatcaa 60
gacancaang acaaccataa gatnccctaa agctaacaca ctgca 105

<210> 728
<211> 408
<212> DNA
<213> Mus musculus

<400> 728
agactgaggt gtccccact aatagatggt actttacaca tgctcaatgg gtacctcctt 60
gcctctaaag cttaccttag tgcccatcta aaggaaacgg cagagcaaga tagaccttcc 120
ccgaataata cagtaggctt ggttggacag actgatgccc cagaagtgc cagagaagaa 180
ctgaaaaacg cattactggc tgctcaggac agtgctgctg tccagattct cttagaaatt 240
tgcttgcccta ctgaagagga aaaggcaaaa ggtgcccaatt cagacatctc cctcaggaat 300
actcaaggtg tcaccacccat cagcactcca agtaaagaaa cagaagaagg agaagacaat 360
ttgctctgta accttcggga agttcaagtg ccttatctgt tgcctggt 408

<210> 729
<211> 207
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 45, 47, 50, 62, 70, 76, 112, 113, 118, 130, 132, 152,
156, 161, 181, 186, 191
<223> n = A,T,C or G

<400> 729
agaggactac ataccggtga agcggnc ccg gcgggaggac actcncntgn tgccatcacc 60
cnatcagctn cacatnaaca taaccgcatc tgggaagagg gagcctgccc cnntcctntc 120
atacaatatn gngacactga ctaatagtga cnaactnaact ntgcgtggga tagcgtctctg 180
nctttngttt ntattgaaga ttcaaaa 207

<210> 730
<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 103, 107
<223> n = A,T,C or G

<400> 730
agactgaggt gatgaagtct cgatcactag acgggagatg ctgccaagtg cccagacgg 60

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gatcaagact ccaatggcaa ccataagatt cccttaaggt tangaanctt gcaaaaaaaaa 120
aaa 123

<210> 731
<211> 413
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 32, 35, 36, 45, 64, 72, 77, 79, 93, 94, 99, 100, 105,
106, 108, 111, 120, 126, 127, 129, 134, 143, 155, 157, 166,
167, 169, 171, 172, 173, 199, 203, 263, 283, 327
<223> n = A,T,C or G

<400> 731
aaaggctgaa gcataaggat ctnaagttcc anccnnattc cttanggagc atttgccctcc 60
atanaataag tntacctna ccgtgagatg ccnngactnn ggagnngntg ntggaatgcn 120
gcttttngna ctgnatctct gcnattgctg atatngnctg aacggmntna nnncaagatg 180
ccatggaaac acggaattng ctntgataca cctctccac aaagggtgcac atccatgaaa 240
tctctccatt ataagctgcc tancgtgtgac ctggctcatg acnccagtcg ccattgttaac 300
acggatgagg gaaagccagg gaggctncac cccacactgc agccaactaa gaaatgctgg 360
gattgggaaa aattgtcttc ccctaggaag aacactgcaa gttgttatcc cat 413

<210> 732
<211> 307
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 49, 88, 89, 121, 136, 146, 164, 166, 179, 212, 214, 218,
225, 227, 262, 264, 265, 266, 269, 270, 282, 284
<223> n = A,T,C or G

<400> 732
agggtgtttt ggaggagtag ttgtggttat naagggatcc cacatgctna agaatgccct 60
caaaggagtg gagaaatctg ggatgccnng gggtccgaga tttctggaca gcttgggatt 120
ntctgccgac aggaangggg gacctnggcc cagttatggt tccnantgga ggcttttgna 180
gctgagtaca aagatatgga ttcaggcttt angnctanca agttngntca gtgtaaggcc 240
tttccctttt ttttactctg tngnnncann ggggaagaaa anancttatt ttatgactgg 300
cattttt 307

<210> 733
<211> 185
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 88, 113, 114, 125, 130, 135, 140, 141, 143, 148, 159, 169
<223> n = A,T,C or G

<400> 733
taaccagcta taccagacag aagcgaagca agagtccttc tgaggactgt gatctagaga 60
agagagagcc agcgctcagg gtccttgnga agaagaaccc acgccattca cannggggcg 120
aattngaacn tttcntaagn ntncaggngg taaagcgcnt ctggaattnt ggggtcccgg 180
aacct 185

<210> 734
<211> 102

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<212> DNA
<213> Mus musculus

<400> 734
gtgaggtttg aagacgagca acggatcaaa gaagggagag aaatgaagaa aatcagacgg 60
cactccactt acaggatcta taagccgtgt ttcctgaaaa ga - 102

<210> 735
<211> 224
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 23, 24, 54, 62, 102, 109, 189, 194
<223> n = A,T,C or G

<400> 735
ctgaaacctg tttgctcang ttnnacgtat cagagagctt ggagcggagc ttgncgcccc 60
ancgacctgc cactcccact gcctgccttc tagctgttcc anagccatna cagtggacac 120
ctgcatcttt actccaagat gatttggcgg gaatcgggtc ccttcccctg cttcataact 180
gaatgtcgna atantaaaat tgaaccttga gcagaaaaaa aaaa 224

<210> 736
<211> 163
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

<400> 736
gaaattcgat tccgagtctt tggaggtcct gaanggacta agacttcttc ggaaacaaga 60
agtccgtctc agatgaatgt ggagcattgc aaatacacca ggagccccca aatgaggaga 120
aaacacaagg ggtcctgttg gaaaggagta aggagcccaa gaa 163

<210> 737
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 139, 142, 144, 146, 148, 151, 157, 159, 162, 173, 176, 190,
201, 205, 216, 222, 223, 225, 240, 243
<223> n = A,T,C or G

<400> 737
ctgagatggg ccaagcctga cattccatga tctgggatcc cgacctatgt gtccaggctg 60
ctgcttgata gcggatgata taaaccacca ggcagtcctg ggccaggaga ggcggactct 120
ctgcctggat gtgtggganc tnantncnaa nttgatngnc cnatctgggg ggnatncacc 180
cccacccan aaagaaagca naatntgttt tgtggntggg gnntnaggcg ccacccccctn 240
aancatggcc acccctgtgg tcaccaagac 270

<210> 738
<211> 103
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 738
tctcgctcct agacgggaga tgctgncaag tgccccagac gggatcaaga ctccaatgac 60
aaccataaga ttccctaaag ctaagacact gcaaaaaaaaa aaa 103

<210> 739
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 31, 69, 83
<223> n = A,T,C or G

<400> 739
ctcgtccttg actggagang ctggctagtg ncccagacgg ggttaagact ccaatgacaa 60
ccataagant ccctaaagct aanacactgc gagaaaaaaaa aaa 103

<210> 740
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 39, 42, 50, 59, 70, 71, 98, 114
<223> n = A,T,C or G

<400> 740
agaacgaggg gatcaaacag tgctcattct tcatngcang gngttgcacn gaaggtttnc 60
ggaattgaan nacgattatt ttgccctcct ccttgtgngt ttcttatggg ccgnggggtg 120
gggaaaaaaaa aaaa 134

<210> 741
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 33, 71, 80, 115, 125, 162, 168, 201, 203, 210, 213
<223> n = A,T,C or G

<400> 741
gggtctgggt agtctcagct gactgaccta ggnaatgggc taggaacgga acagccaagc 60
accggggcat ngctttgctn gtctctacgg gcaagccctg ttgcatctgg gcagnggctc 120
tagcntctct ccaaaacatg gactgcttgc ccaccccaag tngctggngg ggaattgtct 180
ataagcccaa cgttttctgt nanaagccan gtngggccat cctgggtttt ggt 233

<210> 742
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

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- REPLACEMENT COPY -

<222> 43, 53, 429, 432, 440, 442, 448, 475, 482

<223> n = A,T,C or G

<400> 742

```
agactgagag ttcctccttc tgagattcat gataagcagg ctncagctc cgncaactca 60
gttctctaca caactcccc tccacaaaaa acagcccagc aggcagcgcc tggcagcacc 120
atgctttata acgtcagcaa aggtgtgggc tattcagata cagccctgca ggggcaggac 180
ggggacaggg aaggaatgtg ggtaggagct gggggagccc tagcccccaa tacctcctcc 240
ctatttcccc ctgagcctcc aggggcctcg agcaacatca ttcctgtcta ctgtgctctc 300
ctagctacag tgatccttgg tctgctggcc tatgtggcct tcaaagtctg gcgctcacat 360
aagcaaaggc aacaagttgg ctaaagctcg gactgtaaag ctaggggacc ctgacaggga 420
cccaaaagng gnggggaacn gnaacgtntt cggggactct cctcctaatac tgganccctg 480
tnttcccagc cagggaccac acccggacct                                     510
```

<210> 743

<211> 131

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 55, 86, 87, 91, 96, 97, 101, 102, 103, 104, 110, 111

<223> n = A,T,C or G

<400> 743

```
tgatgagatt gactaaacct actttgttca ccaatatctc tgtaaccgtg agatnccagg 60
acttgggaagg tgggcccctt tctcannaac ntctannttt nnnntttttt nttatatctc 120
cccccttact t                                     131
```

<210> 744

<211> 103

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 63

<223> n = A,T,C or G

<400> 744

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agatgaagga tgaaaaagaa aagngctcca tccacacgtg ctgtcctcag gcctagccac 60
ctncttctac aagcatcatg cagattgtct tctgtgggca tcg                                     103
```

<210> 745

<211> 117

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 37, 54, 60, 70, 76, 99

<223> n = A,T,C or G

<400> 745

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aggctcttcc caaactccac tgcaccctac ctgctgntcc aaactggaag ctgnttatgn 60
ctttactcan gtgganttaa ggggaatgct ttactatgnc atgctgactg tccaaca      117
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<210> 746

<211> 138

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 96
<223> n = A,T,C or G

<400> 746
gaacatgccg cccactgaa gacctcatca gtgtggcatc tatgaggcgt gctttttttt 60
cctggcgcac tgacttgcca gctgtccaga gcctgngctg cctgcagcac ctgtgggtccc 120
tacagaaagg gagccacc                                     138

<210> 747
<211> 414
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 38, 61, 193, 195, 200, 207, 208, 218, 227, 233, 240,
279, 288, 300, 310, 331
<223> n = A,T,C or G

<400> 747
actgagtcct gtctttctgaa cgtcgttctn aaagattngg aacacctctg tctgccagca 60
nagttgtgcc tgagggcagg gctgcagggg accttctgag acagaagatg ccactgaaga 120
agccggaccc tcagagcagc aagagtgagc atgttgatcg gacgttttca gatgggtcttg 180
aaagcaggtg ccnctttgan gacaccnct gtcctggnga gcttgantca agngacatan 240
agcatgatgt aaataaaata aatgtataga tggattgtnt gtctgttnaa acaaattacn 300
tgttcctgtn ggtgatgcta ataccaatca naaagaagca atctcagccg tggaaggagc 360
gagcctgcag tcaccttcca ggatttgctg atgaacaacc ctgagacaaa tcct      414

<210> 748
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 44, 50, 62, 64, 67, 97, 103, 104, 115, 123, 139, 140,
164, 195, 200, 208, 215, 219
<223> n = A,T,C or G

<400> 748
catgcacatt tgctaccang agaaccacta catgcactca cgcnccttgn cctatcacag 60
gntnggncct acacggagtc cctggataac tttctangaa ttncacact tctgnaaaag 120
cancttcccc cacatctcnn tctcttgccc taaaacttaa caangtttcc cctaaacact 180
tcttgagct  tgcangacan aaaagggngt gtganaggna aagacctgtc ttgtgtggac 240
ctaataccct gacct                                     255

<210> 749
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 80
<223> n = A,T,C or G

<400> 749
acactgagag ggagaagagg catcaggagn gacggagggc accagctcac cccacaccct 60
ttttttgtca ttgttgcttn ttttttctaataaaggtggaa aatagaaaaa a      111

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- REPLACEMENT COPY -

<210> 750
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 750
 gagactgggt atctcatcat tcaagctgac cccaaactcg ctactatat atggagacca 60
 tgacctgac ctccagcccc cagtcccga gtgcggagat tacagg 106

<210> 751
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 751
 gactgggtcc cagagtagca agaagcatac tggatgatcat agtgaaagcc atgtattgaa 60
 tccccggcca cttgtcgtaa gtgcttctgt ttctcccag gaaagccagt aatggatcatc 120
 aagaccaga aagcagacct gggcccacaa ctcccagaga agaagaaaaa aa 172

<210> 752
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 29, 53, 59, 73
 <223> n = A,T,C or G

<400> 752
 ccattaactt tctattgnga aagctttgng gggaaaaaac attcgtttga ctnaatatna 60
 gagctaaata aanccttgga tagcacaac cagaaaaaaa aaa 103

<210> 753
 <211> 143
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 38, 39, 42, 46, 56, 59, 61, 93, 127
 <223> n = A,T,C or G

<400> 753
 actgttttgg agttgncant accatgaaat gaccaccnng ancagnacca gcagtngant 60
 nctggcagat ggagcctaaa agacgaggcc aangcatctc aaggagggtga acttgtacaa 120
 aacgaangct ccaaaaaaaaa aaa 143

<210> 754
 <211> 212
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 35, 44, 153
 <223> n = A,T,C or G

<400> 754
 tacttcttgt ggaactctca ttaggtgang aacanactca tganagccgt ccgtcccttt 60
 ccacgggaca gtaaccagc tggcagcccc gcatgtcccc gaggcctcag aactgtctc 120

- REPLACEMENT COPY -

tgaaaataga catggtgtgg gggctcccca canaaaggaa tgctgtactg actggataga 180
aggagaataa aaatatactt gaaaaaaaaa aa 212

<210> 755
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 299
<223> n = A,T,C or G

<400> 755
cagaactgag acttgggtctt ttgagacctc gcatcgaaga tggctcaggc accaacagtt 60
atcngnactc aacctggatt cgttcgtgct ccccaaaatt ccaactggca gaccagcctg 120
tgtgattgct tcagtgactg cggagtctgc ctctgtggga ccttttgttt cacttgtctt 180
ggatgtcaag tggcagctga catgaatgag tgttgtctgt gtggaacaac ggtggccatg 240
aggactctct accgaaccgc atacggcatt cctggatcta tttgtgatga ctacatggnc 300
acactcttct gtcctgtttg ctctgtgtgc caactcaaga gagacattaa caggaggaga 360
gccatgaacg ctttctaagg agctggatgg caagaactct ggctgaaaaa actcaact 418

<210> 756
<211> 218
<212> DNA
<213> Mus musculus

<400> 756
ctgagaactc caagatggga ggcaagctga gcaagaagaa gaaggagagg agtactaacg 60
tccattcctt gagccccctg tgctgtcaaa ctgctccagt attagttgca ggcactgatg 120
cttctgtgct gtttccattc tgtgatcatg tcttctccat gttgtacctc ttaagttttc 180
catgatgtct caaagtaaaa gctttaagaa aagaaaaa 218

<210> 757
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 18, 20
<223> n = A,T,C or G

<400> 757
gtttcgtatca ctagangnan aatgctgcca agtgccccag acgggatcaa gactccaatg 60
acaaccataa gatcccctaa agctaaggca ctgcagaaaa aaaaaa 106

<210> 758
<211> 107
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 24, 55, 65
<223> n = A,T,C or G

<400> 758
gataggaccg aaaaggacca antngaggca tactgaatgc ttttctggag cggcngggat 60
ccacnggcgg ctgatccccg cgaggcttgt gggatcccct cgctgag 107

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<210> 759
 <211> 111
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 36, 38, 40, 55, 70, 71
 <223> n = A,T,C or G

<400> 759
 taccacgccc acgtgctgna acctgaggag ccacanangn gcacctttat actgnaccag 60
 agataataan ngcaggggaag gggggggcccc tcccccttca cttcatagct a 111

<210> 760
 <211> 171
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34, 110, 132, 147
 <223> n = A,T,C or G

<400> 760
 tgagcagaga cagcaagatg gctcatgctg gcanaggcac ctgcccccaa ctctgacacc 60
 tgaggtcatt ccacaggact cacagcgtga aggagagaga caactccagn aagctgtcct 120
 ctgacctaca gnacgtacac cttcctntca ataaacacat accccccccc c 171

<210> 761
 <211> 104
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 19, 32, 44, 48, 58, 69, 82
 <223> n = A,T,C or G

<400> 761
 ctgatagctg gagcaananc atggcgagta tnggtgacag gacnnganct cctatcanta 60
 aaaggctgna aatactggga tnggggggacc caaccacgg atgg 104

<210> 762
 <211> 122
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 54, 72, 75, 94
 <223> n = A,T,C or G

<400> 762
 acccagtacc ctagtaggct ttccaccaat gggaggaggt ngcttaccca ccancaccaa 60
 tcggtgggta tncangaagc tggaggctac ccncaccta ggatagtttt tccaaccct 120
 gg 122

<210> 763
 <211> 224
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 66, 75, 78, 116, 136, 154, 159, 160, 165, 168, 171, 175, 178, 181, 182, 183, 186, 190, 195, 196, 205

<223> n = A,T,C or G

<400> 763

```
catatatggc ctgttttatt ttacccgtgt acgcnggacc acaacctcac aggcattgaa 60
gaccangtac ttttngtnac ccgccccggg ccaacacctg gatgccagct tccgcnacca 120
aactgtcggg ggaggnattt taggaaccgg ccgnattcnn cccgnggnac naagnggnaa 180
nnnccnaagn ctttnnaacc aagggnattt ggcccaaaaa ctta 224
```

<210> 764

<211> 213

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 46, 50, 55, 56, 65, 67, 70, 79, 115, 135, 144, 173

<223> n = A,T,C or G

<400> 764

```
gcttctatga ggatgaacat ctagactgtg ganggttgca aaactngaana cttgnntctc 60
aatcncnatn ttgcaacang actgaaacat gtgtgacttg ttcacttggt ggcanctgac 120
cagatacccc caggnagcct gctncctaca attcccaatg aatttacaac ttntctaccc 180
catagacgtg gggactgtga tctcttgaac ttt 213
```

<210> 765

<211> 230

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 32, 40, 42, 49, 50, 57, 58, 94, 102

<223> n = A,T,C or G

<400> 765

```
tgagttcaat tccccacnc acatgagaaa anagaacttn tnccgctann gctttgnnaa 60
aacctttact ggctgcttg aaatgaaga tgcngactcc anattggcga tttatatatt 120
cttcatgcaa gggcagcata ctaaaagaga gaaggagctg cgctgaccag tgactgaaag 180
ctgtaagcac tggaacatat ttgcagaaga caggatttct aagggtgagat 230
```

<210> 766

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 51, 53, 222

<223> n = A,T,C or G

<400> 766

```
ccatctctac caaactgaac ttgctggtgt atctgagagg tntctgagag ngnatggagc 60
tgccgctgcc tgctaacttg tgaaatgaac tgctgatttc cagacaacac agacagaagt 120
tctccaaag aacctttgta aataggtcca ctccccctgt atcctttctt ttatactacc 180
gctggtgggt agtgggttac aaggaaggtt aaagtgttta anacccatca ttaaaaaata 239
```

- REPLACEMENT COPY -

<210> 767
 <211> 361
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 45, 52, 53, 63, 83, 93, 95, 104, 107, 109, 144, 151,
 166, 184, 190, 198, 202, 223, 248, 310, 315
 <223> n = A,T,C or G

<400> 767
 aacactggaa cagacctgaa gctnaacgcg atggcccaca cttgncattc tnntcagatg 60
 tanttgggaa accaaccagg acntgagcct tanangcaac gtcnggntnc acagcacctt 120
 ctaatacagg ctgagctaaa gganaccttg nttaacaaat tggacngata gcccaaggaa 180
 ggcncgtatn aagcgacngc angcgctcgc tcggctcaca aangcacaat tgccccggaa 240
 aggagganga agaagatcct cttgctgaag aaaaaccgac tagaagaaga aaggttgtta 300
 taaggaagan aggcnaaga ctccatgaaa aaatgggtac ctgaggggaaag aaaaggcccc 360
 c 361

<210> 768
 <211> 209
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 75, 114, 155, 165
 <223> n = A,T,C or G

<400> 768
 tgaggtcctt cttaggatct ctgtggaaga gtgaagctan gccggatccc tcctgtggac 60
 ctgcccgcgg ttganctggc tgtccagagc aaccattatt gccatgcccga gaangattct 120
 ggaagtcacc ctgaccccga gaagcagagg gcccnacgca aactntatgt ggctcttgcc 180
 atctgcctgg tgttcatgat tggcgaaat 209

<210> 769
 <211> 212
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 21, 44, 45, 54, 105, 121, 126, 148, 150, 159, 163, 164,
 174
 <223> n = A,T,C or G

<400> 769
 cttctgtggt ctagcatnga ngattggaat ctatgcatac gcannaatga cttnttcttg 60
 tcacacccac agagcccga cagagaaagc cgaaccgaaa tccnccgagg aacctcccgg 120
 nggcnaaaag gaggggggtgg ggggtggtngn acctacaant tttnatggtg gacntacaga 180
 attgactgtc acattgtcct ctgaccttca ta 212

<210> 770
 <211> 347
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 59

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 770

```
gagtgggtgtg catttttactg agtctctcag gagctggaac ccagaaggca gagattaana 60
actgtgccaa gtgggtgccct atcaactcaa aatgtgtcag taacagaagc tgtgtctgca 120
agcccggtt cagctcggag aaggaattga tctaataccc tgcagagagc tgtgaagaca 180
tcaacgagtg ttactacct ggattttcct gtggagactt tgccatgtgt aagaactcag 240
aggggagtta tacctgcgtc tgtaacctgg gatataagct cttttctggg gcagaatctt 300
ttgttaacga gagtgagaat acatgtcaag gtaagagccc cccctg 347
```

<210> 771

<211> 438

<212> DNA

<213> Mus musculus

<400> 771

```
gagaccaagc ccaaatacaaa gggaaaatcc accctggaga aatttttgtg aatctgctca 60
agccctgagg ggaagaacag aaaggaaaga gaaaaagggc ttacaaccta agccttgatc 120
ccagaacaaa ggccagccgg catcctttca ggcctgcacc tggccaggca gcggagcacc 180
ggggtctctt cccagactt ctgcctttca tcaccatcat ctgatcagcg tgtcagcctg 240
cccacctgtc cagagcctgt gcacaccacc tttctgcctg actgaagggtg acttggccca 300
ggtcctgtga actgactaat actgctataa agcatgcatt gctcttggtt acctttaaaa 360
gaactctagg tggctctacag tgaaatcaag tgaggaacaa aaggcaggcc cgggaaagca 420
atcaaggtgg tcgtccct 438
```

<210> 772

<211> 108

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 36, 40, 43, 51, 53, 63, 66, 70

<223> n = A,T,C or G

<400> 772

```
gactgagctg tttagtgaat aaataagtgg tgccnnaggn acnaagcttg ntnaaagaat 60
ttntgnacan gggaaagaat aaaatgaatg aactctgaaa aaaaaaaaa 108
```

<210> 773

<211> 320

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 87, 92, 99, 107, 120, 122, 128, 141, 143, 154, 172, 173, 177, 180, 187, 203, 209, 229, 230, 251, 288

<223> n = A,T,C or G

<400> 773

```
aaacaatgaa tagctctttt ntgaaggccc gaggacaaca ggatgttctt tcctcacctt 60
tggaacgggt gccccagca tcccggnccg gnaaggctnc acttgggnact cctaaaaccn 120
cngtcctnga agactttcct nancaatgac gatnaaaagg agcggatgca anngganacn 180
gctccanggc tcttttgacc tgnagtctna tgtacagatt cgattcatnn tggcctcccc 240
taacaggaat nttgatgctt caactaccat atctaacggt taaaaacnca ccagtattac 300
aggaacatta ctctacctgt 320
```

<210> 774

<211> 397

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 19, 25, 47, 68, 70, 116, 124, 126, 135, 146, 147, 149,
150, 153, 155, 156, 157, 158, 159, 163, 164, 166, 168, 182,
184, 192, 209, 228, 255, 261, 275, 282, 325, 332, 335, 340,
368

<223> n = A,T,C or G

<400> 774

taaccctgag	aacatgcnn	actgnaacct	tactatgcct	gccgganaac	taccaggatg	60
acgcactntn	tctatcatgg	gtctctcttg	gctcccagct	ttcttacatt	gctcgnngat	120
gganantggg	aagantgggg	gctacnncnn	ggntnnnnng	gannangncc	caaacaatgt	180
gncncatgga	cntattacct	cactggcgng	tgaagcggtt	cccaccgnac	gcctgtggcc	240
tggctcataa	gctgngtgga	ncaggcctct	cgganccatg	antatagaac	ttgcaatgcc	300
aaagacgtcg	tctctctgcg	tgccngggaa	anaantcacn	gggcccgcgc	ctgcatcctg	360
ttattttcnaa	ctagccatcc	aaacttttta	acattca			397

<210> 775

<211> 311

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 41, 79, 86, 107, 121, 123, 124, 147, 153, 162, 171, 185,
198, 200, 205, 206, 209, 218, 220, 223, 235, 242, 244, 247,
257, 260, 264, 277, 280, 285

<223> n = A,T,C or G

<400> 775

acgtgggtccc	cagcgcgcc	ggccccgggcc	cangtcccaa	ntggcgaggc	cagtgcgggt	60
ggcaccgacg	tcatcaang	tgaccnacgt	gtgggtccgag	cgccagntca	gagcaggatg	120
nanncagctc	ttgggggttcc	tgggcantga	tcnaccagct	gntgcctctt	nccgccggat	180
gactnacctt	tgccagtntn	ctatnnagnc	tgctttgntn	agntccatga	ctcangactc	240
anangtngtg	gcacagnatn	tganaaacac	tgagctnngn	gacanagctt	tgatagtggg	300
agaacaccta	t					311

<210> 776

<211> 295

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 63, 68, 71, 76, 90, 97, 100, 104, 111, 118, 119, 131,
132, 135, 136, 138, 174, 183, 186, 195, 205, 226, 227, 241,
252, 269, 278

<223> n = A,T,C or G

<400> 776

tttggggggg	gatacgacag	gggcccangc	ctgcgcctcc	accgacaagg	gcccgaacat	60
cancgcctng	ncctgnacca	tcctcacggn	catgggncgn	catnggagca	ngagccanna	120
gacgaagtgt	ntgtntngc	aacatctcac	aggagataac	agactctggg	gccnccagg	180
ctngcnatgg	gggangcttg	cctancgctg	acccaaaccc	tagacnnagt	cctgaccatt	240
ngccccatac	anatgcaaaa	agggacacnc	acaaatcngg	ccatggagga	ctcaa	295

<210> 777

<211> 259

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 57, 59, 61, 62, 73, 80, 90, 95, 108, 117, 121, 122, 169, 238

<223> n = A,T,C or G

<400> 777

```

ttaacaggct tcgaacctgg aaaggaaagc ccgtctgaga gaggaggcat gcttttngng 60
nngccaaaaa ctncactttt aaagatattn tggnggcaac ccaggaanta aaaggcntgc 120
nnactaatga aacctggcctt ttacaaaagg gatacaaatc tggaggacnt cacttttggc 180
cagaacattg tatttttggc cacaagaatg gtattccact ttcccctatt aaattgcntg 240
gtaggaaggg gaacaaaaa                                     259

```

<210> 778

<211> 385

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 46, 69, 74, 82, 85, 88, 99, 101, 102, 109, 123, 126,
132, 153, 155, 158, 264, 267, 270, 273, 283, 286, 291, 292,
296, 298, 312, 341, 367, 369

<223> n = A,T,C or G

<400> 778

```

aagaactgag gtgggggtntt tcatttggct ccccgctcggg gaatcnaacc ccggtctccc 60
gcgtgacang cggngatact cncncntnta ccaattatng nncacaccng tggcgcggtg 120
ganttncagt tnaacatcag ccgttacagg cancngcnac tgatggaaac cagccatcgc 180
catctgctgc acgcggaaga aggcacatgg ctgaatatat actgttattt tgatggaaaa 240
atatatcttg tgtctgacaa gaancnntn acntttttgt ggnatnccag nnggtntntg 300
aagtaggcca tntctattac cggctcaatg atctgacttc nagactattg ggcataattg 360
gagctancnt taaccttcct tcgaa                                     385

```

<210> 779

<211> 466

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 23, 135, 264, 328, 353, 434, 448

<223> n = A,T,C or G

<400> 779

```

cttctgagac ccggatgccg gnnngggcgct gtgttttccg aactgcggct ggactgcctg 60
ggactctgac acctacggct ctcggttttc ctggggacct cttcctgagg gcgtgccgag 120
acatggaggg cgcanacctg gcagagaagc tcctgtccac ctggctgacg ctggtgggag 180
gcctcatcct tttaccctcg gccttcggat tatccctggg tatctcggag atctacatga 240
agatcctggt gaaaaccttg gagngggcca cattacgaat tcagaaagga gccctcaagg 300
agtcacctct taaaaactca gcttctgngg gtattatcca aagaagatga agncacccat 360
gggagaaaag gctctctggt ctttcgagga aggggacttc cgagctctct gatgtggttc 420
tattttctcc aaanaagggg gttggaancc atttggaggg agggat                                     466

```

<210> 780

<211> 452

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 113, 117, 163, 197, 234, 330
 <223> n = A,T,C or G

<400> 780
 tgttgggacc attaaggcaa cgctattgtc ctgatctctg aattgggcct ctccccccaa 60
 gaaagaaaag aagggtcaaaa gcggggccacc gggacgcacc gctcaagaaa aantcancgc 120
 cgggatgtcc tgaacctcaa agaatacctg aataccgccc aantttcttg gcttcccccg 180
 tgtaactgc cttaaanaat gttgcaattc ctatttggcc cccctcccc actngaataa 240
 aattacttcc accttttttg ctttggttatt tggcccatc ccctccccgg cttgaataaa 300
 gttatctgtt acttccctgt tttcctttgn tgccaattcc tactggcccc atccttcctg 360
 ctgaaaaagg cacttccctt tttgcttggt tgtttttaaa accttggggc ctgggcttaa 420
 ttacattttg gggggtcttg aatacaaact tc 452

<210> 781
 <211> 280
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 34, 47, 53, 57
 <223> n = A,T,C or G

<400> 781
 accgccttct gggactcctc caggatgctg tgnnctccgc tctttctct ctncctgngga 60
 aatggaatgg gggaacccca aactggctat gagatgattc agaaaggagg gatttccttc 120
 aggggttgcca cacagcaatt ctgggacaac cggtgaccta gaattcttag gaaaagttag 180
 ggaagccaga cttttgacca agactctcca caccatccct attgcaccct aacaggcctt 240
 gagtaataac acccatacat tcaaatgtca aaaaaaaaaa 280

<210> 782
 <211> 111
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 31, 45, 50, 51, 56, 65, 72, 78, 88
 <223> n = A,T,C or G

<400> 782
 actgaggtgg gtttgggctg aggtagaacn ngggcggagt ggggntgatn nttagnccgg 60
 gaacngtcac angtcctnac aggaagcntg gctgggtcca aaataaaaaa a 111

<210> 783
 <211> 408
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 28, 35, 47, 63, 64, 70, 74, 77, 81, 115, 128, 130, 135,
 137, 167, 171, 176, 183, 195, 202, 212, 216, 218, 222, 231,
 233, 234, 239, 242, 246, 260, 264, 296, 298, 301, 307, 310,
 350, 377
 <223> n = A,T,C or G

<400> 783
 tggactctcg gaaaggaaa gcnacgangc atggnttgg accatancac gtactgccat 60
 cgnntgctgn ttanatnttg nttgacaaca agaggagact gtggacgtaa cgttntccac 120

- REPLACEMENT COPY -

```

tttgggcnan agagncnttc acctttggaa ggcgcctttg cactggnttt naagantatt 180
cantacccgg gagangctgt cncaccagg anaggnancc cnttgctcat ngngtacna 240
ancaantacg gttctctccn cagngcatat ccccgcttta tatccgacat gcaatntngc 300
naatgnaaan aatatctgca agactaggat gaagagactg gacagcttcn cctgcctgca 360
cctgtgggcg aaaaaanctg gggaattctt tttgttttg agcaaggg 408

```

```

<210> 784
<211> 252
<212> DNA
<213> Mus musculus

```

```

<400> 784
cataagtgac taagattggc tgacgctgga ggatgtgtgg gtcgtacacc tgggattaac 60
ttttattaga ggggtggaaa acgtgagttg cgggtgtggg gtggccgatt agaagaccac 120
gctggggaga tgctgcccac ctaccatcct gtgtatcctg aggaccaaac tcgggcttgg 180
tggtaaaagc ttttatccac caaatcctcc ctcgtggact tcgagattgc ctaattaggt 240
ctgcacctcc cg 252

```

```

<210> 785
<211> 151
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 57, 96, 101
<223> n = A,T,C or G

```

```

<400> 785
gctgacaaga cacacacata caaacaggct tccgagaccc tcccagggtca aacttgntgg 60
aaaccctccc tgctcaaatt atgcctctta ggatanaggt ncccagcatt ttgttttggg 120
tagtagaaaa tacaagtaaa atgtggccag a 151

```

```

<210> 786
<211> 179
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 25, 69, 75, 77, 78, 93, 96, 125
<223> n = A,T,C or G

```

```

<400> 786
tcgcagactg agacaaggtc tagantgagg gagatggctc tgtgggttaa aatgccgact 60
gctcttcena aagancnnag tgcaaattcc canacnaaag gcatccggag acccatactg 120
ggcgnattct ggtgagtgtg gctgtgttgg ttagtgccct ggaagggtta aaaaaaaaaa 179

```

```

<210> 787
<211> 103
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 44, 51, 58, 67, 83
<223> n = A,T,C or G

```

```

<400> 787
ctgagctttc ggtcagagaa gaaacgcctc aggaagcccg agcngtggct nctggaanat 60
acatgangaa tatggatcag ganatttgct cctaagaaaa aac 103

```

- REPLACEMENT COPY -

<210> 788
 <211> 425
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 21, 39, 40, 42, 43, 51, 52, 59, 60, 70, 79, 85, 86, 87,
 94, 96, 100, 127, 136, 176, 221, 235, 257, 272, 274, 295,
 322, 323, 324, 327, 363, 388, 407
 <223> n = A,T,C or G

<400> 788
 tacttcgtgt ggaactntca naggtcggac aggatgaann tnnttatgct nntactgann 60
 gtgttactan gacgattang gcccnntac cggntnatch ccacagggtc cccaaaaggg 120
 agaaaangat actcangaga tccagccagc ggcccacggt catcaacaga aggaanaggc 180
 caccatgca gcaccatcac cgtctggacc tggccctgta ngctgaaaca atgtngccgc 240
 tgctcctctg tgggacncgg tgctactgtc tnanccggca ccttctggag atcanctggg 300
 gccaccctgg ttcacttctg annntgnctt cccccggga tcttgtaag gttcctgact 360
 ggnnttccac aggctgctt tccgtctntg ggcacctaca ggacttntta cccaccctta 420
 aagtt 425

<210> 789
 <211> 123
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 84
 <223> n = A,T,C or G

<400> 789
 aatcttcgac tgccacagag cgngagcacc ggcattgaatg gtcattatgtc taaccgctcc 60
 agtgggtatg gattctaccc ttcncaactg aatgggtcgg atcttcacca ccctattccc 120
 aga 123

<210> 790
 <211> 300
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 35, 39, 41, 55, 58, 78, 84, 90, 108, 110, 113, 208
 <223> n = A,T,C or G

<400> 790
 tgcgatatcc cactattgan tcggagccac ctgcngatnt ngaagggaag aacngcnc 60
 tacttgctca caacctgnct gacnacctan tagcctatca ctggttcngn ggnaaacggc 120
 cgatagacaa cgatctaatt ataattgtatg aactaaaatc tcaagaaaca aaacaaggaa 180
 cactatatag cgggagagag acactgtnc ctaattggatc cttgatgtta cagaatgtca 240
 ccttgaagca atctggaatc tacagcctaa atatccattc tgcagatgac caataaaaaa 300

<210> 791
 <211> 386
 <212> DNA
 <213> Mus musculus

<400> 791

- REPLACEMENT COPY -

```

tgagcctagc acagcgcccc ggtcagggat gagtgggtga aggacttgga ctcagaagca 60
aggtataggc aaccagttct gactttggaa cctcagctga gagtgaagca gaggatgtga 120
atctttcatg agcagaatgg tcacaggaag aggaaaggag ttgcttaccg tgtggaagta 180
aaccagacag agcagaggac cacagtgtgc ggcttcccag cctgggtgtag cctgatgctg 240
tgcactgcaa gattcatgtg gcaaattatt aggaaaagca agtgagtatg gctttaattt 300
ttgtactttt acccatgggg acatttttag tgttttaaat gtaagcattg cacagaataa 360
aggtggtata catgcaaaaa aaaaaa 386

```

<210> 792
 <211> 563
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 45, 240, 265, 342, 488
 <223> n = A,T,C or G

```

<400> 792
ctgagtgtgt gtgggctgag ctcgagnctt cacagcagca ggaanagccc ggcaatggga 60
caggatagga ggcaagcatc accatcaaaa gctcctggcg ccctgtgcct gtgttggaag 120
aaaagagggg gtcagagaag aggagatgct catttccgct acccaggctc cagcttgctt 180
aatccctact ccttgtcttc cgctgcttct tcaatttctc ctgttgacct ttgtgctcan 240
taaacgaaat cttccatctc cggcngcaaa tcagttccac gagtctgcag gctttctgag 300
aagaggcaac agtgtaaaca tgacatcttg ggaagggtta gnaatccggt acatttctgt 360
tgactggctc tctgacccca gctgtgacat catcattagg cccatattta gctccgcaga 420
gaaacaaacc tctgtacgct tcacgaagaa aacagaaggc agcagacgcg atctctttta 480
aatactgncc attcaccttt acagttagga ataagtacta gaataaaaaa aatagtattg 540
cagccagtgc cagaaaaaaaa aaa 563

```

<210> 793
 <211> 138
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 101, 102
 <223> n = A,T,C or G

```

<400> 793
ctgagaaaagg cgttactaaa gatggctggg actgcatttc ttgtcctagt ggcttaactg 60
ctgaggggaa gtgccactgt cccactggcc atatattagg nnagaataat atttataaaa 120
taatggtgat gaaaaaaaa 138

```

<210> 794
 <211> 432
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 56, 80, 83, 90, 93, 106, 203, 277, 310
 <223> n = A,T,C or G

```

<400> 794
cactgagggc tcaaggaacc tggnggaaga ggaagcagaa agaattgtgag aggcanaggg 60
gatggaggac taatcaacan ggncaagtcn canggacaaa gtatanacac atgaataaaa 120
gacggaaatt cttttttgcc tcagtacttg ctgtccagaa ttcgaatttt atatatccat 180
catgtcaaag gtgcttctct aanataatcc ttgagtccaa aagggtttact tgtcccaaat 240
gtggctcttc tgggtgacact ggaagtacca attacanata caaactgtcc ttgaaagtgg 300

```

- REPLACEMENT COPY -

```
cagaatccan caaactatattt ttcattactg tatttgggag ctgcttacat acatttttttg 360
gacttacggc cactgggttta cacagggtacc ttgaagattc tattaataaac ctataaaccc 420
ctggccgggg gg                                     432
```

<210> 795
 <211> 457
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 45, 60, 76, 78, 79, 80, 149, 151, 203, 279, 304, 329,
 378, 379, 381, 391, 393, 397, 407, 414, 416, 427, 432, 441
 <223> n = A,T,C or G

```
<400> 795
ggagatgctg gccaggggtg cttnatgact gtgaccctga gcctntgtca ccacagcggn 60
ggcggaggtg agcgancnnn tggggaagag cctcctcaag ttctgctctg gagatctggg 120
gcctgagagt atcctgcctg acacgcagnt nctggacccc atgcttgctg aggcgcccac 180
cacaccctg gcacaagccc cangcaaggg catggatgat cgggtgtttt acatctatac 240
ttctgggacc accgggcttc ctaaggctgc cattgtggn gacacagcagg tactaccaca 300
ttgntgcctt tggccaccat tcctacagna tgcgtgccgc cgatgtgctc tataactgcc 360
tgccactcta ccactctnna nggaaacatc ntnggtnggg ggcaagngcg cctntncggg 420
taacgnggtt tntgcccaaa naagttctcc gccaccc                                     457
```

<210> 796
 <211> 210
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 173, 177, 186, 188
 <223> n = A,T,C or G

```
<400> 796
gctgccacc cgatactgtg aatgccacca aaaactgact acatctggat cgcctctgac 60
ctgggcagga ttaataggag tgccgtggct gggatgttgg aggttagccag agaaagcagg 120
tgagcacagc acgggggctc agggaccgat tccacaagct cctaagctta agnaacnttc 180
tgaaancnaa aatccgggga attttaaaat                                     210
```

<210> 797
 <211> 408
 <212> DNA
 <213> Mus musculus

```
<400> 797
gactgaggac tgactaacag gcaaagaagt gactcttcca gaggttccg gtcgtctggg 60
tgactgctg acacagctgt caccgttgca gatgccatct gccctcctcc catctccgtt 120
gtcactcagc ccttcccttt gtctggaccc cgacttgccc ttttgctcc tcaaacagcc 180
ggactcagct ctaccgctc actctcaaac ctgcagtcag gggctcctgac tcagccacag 240
tctccccaag tgctccggtc ctgtttacct cattgtcaga gactcgtggc cctgagtttc 300
ccagcttttg cttctcaggc ctgttggaac ctctgaaact ccttgcatct ttaacccctt 360
acaaccattc tataatctac acatatacat atatagagaa atttactg                                     408
```

<210> 798
 <211> 350
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 56, 153, 307
<223> n = A,T,C or G

<400> 798
aagaaacctg gagaagaaca agaagaatga tttcttctct ggtaaagtct cccanggtc 60
tgttaacatt caaggatgtg gcagtggact tctcacagga ggaatgggaa tgtcttgact 120
gtgctcagag ggcattgtac atggatgtta tgntggagaa ttacaacaat ctatTTTTTg 180
tggaatatca ttacatatgt cataaatatg agaacttctt ggatcaagac acacagcata 240
ttgtccatga ggatataaat atcaaactga agtcttataa atgtcatgaa cttgccaaaa 300
tcatatntga atccagtcaa agtacacctt ataaaactaa cctcagggat 350

<210> 799
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 241, 243, 245, 248, 251, 257, 264, 268, 275, 276, 278, 284,
290, 297, 302, 305, 307, 308, 309, 310, 318, 321, 325, 328,
341, 345, 354, 360, 391, 393, 401
<223> n = A,T,C or G

<400> 799
ctgggttaagt gtggctcagt ggctgaagaa ggcactggat ggagaggtaa gcaagagtgg 60
agcggggaac aggagcccc cacagatcca tccggtttct accactcccc aatgccagcc 120
attgtcctgc agatcctggc tgaataacatt caagtgaacca acctgattag tgactcattg 180
catcggcggg cgcataacat ggcagtgtca gagctgggcg cattcttgag aaggtttgcc 240
nancntgnng ncccatnctc tatntacnat cttgnngnaa aacngccgan gggcttntta 300
tntancnnnn ctggtgcntg ncttnaanca ccaatcaagg ntganatctt cggntcgggn 360
cctgctgccg gacggggaaa cttccggggg ncntaactcc naggggaagc tgcccttgga 420
ccaacctcaa aaag 434

<210> 800
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 20, 43, 45, 47, 51, 53, 57, 63, 72, 100
<223> n = A,T,C or G

<400> 800
accagcctca ttaattncan caacatcata attcatgcta tantncttgg nncagnagt 60
ttnaaagagc anactttcca caggagctgc ttcacttagn tctacagcca gcccatgtgg 120
acttgatctc tgaact 136

<210> 801
<211> 138
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 23, 28, 51, 109, 116
<223> n = A,T,C or G

<400> 801
tgccattttg attttanggg canagganga gggggaatct cagttgggtga nttaaaagca 60

- REPLACEMENT COPY -

ctgaggctta aaactgcttg gaatccttca ttgaaaaca gtggccttnt agcttnttca 120
agtcactttt ttgtgcct 138

<210> 802
<211> 293
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 156
<223> n = A,T,C or G

<400> 802
aagagaaccc actaaataat tggctgacaa caaggggaac agcttggaga agaccagcta 60
agtctgggtt cctcagagat ggctgggaac ttggatgtag gaagtgtttt ctccacgggc 120
agatcatgga ccactttcca cacgtggatg attttntcaa gcaggacgag acagacatca 180
agaactaggg acagaccctt gcccacaaca agacgttgaa aagtcagaaa tcctatgaca 240
tgccatctct gctttggtac ccagaagaga gcttgagcct cttcaaaggc ttt 293

<210> 803
<211> 109
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 41, 58, 67, 77, 87, 89
<223> n = A,T,C or G

<400> 803
ttcatgcttg gcatggngat gctgggctac cccaactttt nggcccccta tggcagangc 60
taccncngat ttgtctncta acttatngnt accaatttcc aagctttcc 109

<210> 804
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 52, 54, 64, 78, 84, 86, 87, 108, 113, 118, 121, 126,
135, 138, 139, 141, 145, 154, 163, 173, 181, 182, 185, 187,
193, 194, 221, 235, 241, 260, 261, 273, 275, 277, 278, 279,
281, 284, 323, 338, 346
<223> n = A,T,C or G

<400> 804
cacactctcc cttcaagaag gattgccttt gctcagagac accanacttc tncnacctgc 60
gcancgtgat ctgcgcant gtgncnctg cgacccaaga gtgcaggnc ggncttangg 120
ngaggnaatc gcggncgnng natgncctg tctnatgccc acngaggaag agnccatctg 180
nncnchantg gcnnccatac acacactgaa agacgtgaga ncctggcccc gccnnggtcg 240
natttggacc acaaccttgn ncaaaaaccgg ttnangnnnt nctnaagtct ggcaaccttg 300
ggggccaaac ctcgggagct gangacccgg gaactcangg tcgtcngccg ttgggatgtg 360
aaagggttac tcaccatcct tgctgtggtt gtagatgtcc atggcctcct gcaaattcac 420
tagggcaatc ttctcaatga ccttgacagt cctgg 455

<210> 805
<211> 109
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 44
<223> n = A,T,C or G

<400> 805
ctccggacct gactgagaca tgcagcttcc ctgtgcatca ctangccacc aggatatcca 60
cctgtcacct cacttggata aatgtttctg ttttggagca aaaaaaaaaa 109

<210> 806
<211> 225
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 23, 25, 52, 67, 86, 87, 91, 102, 103, 108, 113, 133,
151, 170, 171, 179, 181, 185, 196, 206
<223> n = A,T,C or G

<400> 806
aagtttccac tgatggtnga tgncttcttt cttcaaattct ctgaccttcc cngtgcccac 60
ctcacanact gaacacatgc cctgcnnctgg ncatgaatta annaatgngg ganatgcttg 120
caccttgctc tgnctgggat acaatcctgt ntagtgccca tttttatgtn ntctcatna 180
natanaagga tgccanagag tttaancatt ttacccaact tttct 225

<210> 807
<211> 229
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 19, 20, 56, 101, 102, 127, 132, 137, 141, 146, 170, 176,
208
<223> n = A,T,C or G

<400> 807
gagaacagtt aagacagnnn agaaaattct tacagaacaa caagaacaca tgtcangaag 60
aggacaaaga gcgtatgagc aagagaaaga aaaaggagtc nnctcttctc tgactacctt 120
aaaaganatt gntcggntaa ncggancagt tgtccaaaaa gctgctcctn cagatngcca 180
aactcaacag cacttgactg gaccccgnaa ccttgcgggg cttcatctc 229

<210> 808
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 375, 379
<223> n = A,T,C or G

<400> 808
ggttgctcga agaaagcact ggaaagacaa tacgttctact cctttttttaa acgagcacga 60
ttttcaggaa gctgctgctc caccacagcc tctctctgaa cagtcctcag cagacaacca 120
caagaggatg gggagagtgt ctaacttctc cgtaggaac actcaagaag gaaataaatt 180
caagaggaaa gactattctt ccagatagc agaaggagaa caagattcaa atttaagaga 240
gagaagaatg aaccgtgtca aagaatgatg caaataccaa ttctgccttc tgggactctc 300
ttcatttgga tgatgcaacg aaggaaagtt cacacagaag ggagagcgcc tccgcgtgga 360
ataagaagaa attgncggnc ggccccaag tccca 395

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- REPLACEMENT COPY -

<210> 809
<211> 148
<212> DNA
<213> Mus musculus

<400> 809
gagatttcag attttgcagc ctaaggaaca ttttccaggg gagactgccca gtgcagccac 60
cttggcaacc aagatcctga tccagagcca catagccaca gactggagta ctggtggggcc 120
acagtctca aataccttct caaggcag 148

<210> 810
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 147
<223> n = A,T,C or G

<400> 810
acctgccatg ggcccgctcca ggcgccttctt tggcgctcctg ttcctctcgg ggacactggg 60
tctcaccact tccccagcca gaggacggct cgcgtgttac acctgcagct ttgccaagcc 120
ctgcgaccct gttcccaggg agtgtcnaga ggacgaggtg tgtggtgtca gtgttggcac 180
ctcagagcaa aaggaggagg aagtcattga gcggaaaggc tgcctcccca gagcccagtg 240
ccctctgctg ggccatgcga cctactgggc acggtcctac tctctccggc accagtgtctg 300
tgagcaggac ctatgcaatg ctgccgctca cagccacccc ccaaccttcc cctcatgact 360
cttgctatccc cttgcaagcc atgatcggtt gggggaagga catga 405

<210> 811
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 86, 105, 138, 209, 229, 235, 236, 244, 276, 333, 364, 386,
388, 391, 403
<223> n = A,T,C or G

<400> 811
tgattctccc cttggcaaac tgcagccagc cagcctcctg ggtcgagagc caagccaaaa 60
gatgtctgag agaagaaacc tggggncctg caaaggtaag tgggncccag cccactctca 120
atccccctct ctctgtgnga ttgctattcc acactggagt cacctgctct gtgcttctga 180
ggaacctcac ctctggcaca tcaatggana ttgtccttcc ctttttatnt atatnnattt 240
attnttttatt ttttgccacc ctcactggcc actaanagat agccctagct cctcctctcc 300
tgccctggttt tgacaggact cactccattg agnccttgtc tcgtctcttt ggcagccctt 360
cctncttccc ccccccttta tatecntnta nttttttgac cncctctttg ttttaaaacc 420
ccgt 424

<210> 812
<211> 296
<212> DNA
<213> Mus musculus

<400> 812
gaggcggttg tgctggagca ggttaataat tctatcacca ccctacagag gaacctggag 60
aagcaagatc gtcaacgggtg actaccaccc ttggaaagca tttggaaaag taaagtgtgt 120
agtgaggcta ggttgtgatg tttttcctac tggctctaag gttaaaaaaa tattaggga 180
caatatgaag ttcagaaagc cacactctta ttagttaagc aagggaacctt ttatgggtcag 240
ggaacaagaa cagtggcagc actggctgac cgtgagatgc caggacttgg aagggtg 296

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<210> 813
 <211> 187
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 46, 49, 57, 82, 92
 <223> n = A,T,C or G

<400> 813
 agccagatga aggacctgta ttcctaggna tttgggagac tgatgnacna ggatcanggg 60
 actccaagaa ttccagatca gnctggacaa cntgagatgc caggacttgg aaggtgaaag 120
 tataggaact tctcgacctg caggcatgca agcttcgact tcgtgagatg ccaggacttg 180
 gaaggtg 187

<210> 814
 <211> 200
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 69, 149, 166
 <223> n = A,T,C or G

<400> 814
 gactgagtct ggctcttttc tagtatgttc aggtgggttc ttggaaagaa tccagcatga 60
 atattattng aactgggaga ttcctgacca gaacattgat atagaagcac tgcaggtcgc 120
 atttggatca ctgtatcgag atgaccgtnt taataaaagcc cagcanggggt cgtgagatgc 180
 caggacttgg aaggtgtgct 200

<210> 815
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25
 <223> n = A,T,C or G

<400> 815
 agaagatgtg aaagaaaaag accgngctaa agaaatggca cgccagttcc acagttgttg 60
 aagatatcac aaaggacgag caggaggaaa caccggaaaa aaaaaaa 107

<210> 816
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 816
 acactgggggt tcccagactg ccctttgaga ataaaatggg aggccacaac caaagtcttt 60
 tggataaagc accacaatgg acaatactgt tttgaggtgc tcctgtccag cctctattta 120
 tctacttctc tactctctct gcctctacta aaagtgaaga agaagaaaaa aa 172

<210> 817
 <211> 485
 <212> DNA
 <213> Mus musculus

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<220>
 <221> misc_feature
 <222> 128, 167, 196, 248, 308, 342, 349, 353, 414, 432, 449, 456,
 467
 <223> n = A,T,C or G

<400> 817
 gactgagggg tggaaccagg ccctccaact tctgtgaggc ctagccctgt gtcaggctac 60
 aggagtttga gattttcagc ccctgaatgt atgtggcaag gccattagac tcactttcgc 120
 cagctcngga ccatggatat gaggctgcag gagtttgaga ttttcanccc ctgaatgtat 180
 gtggcaagac cattanactc gctttcgcca gtgaacagtg ggcggagcga tgtctgtcac 240
 tggcaagngg aaacattcaa ctgctgccgc aggtctctcc tgttctcttc ttctttgtgg 300
 gcgcatacaa gtcacacaca gaggctggcc tgcattctgtc angttgcang agngaccggc 360
 atggcctgaa ccgccctgct agcctgtaac acatgtacaa gactcgggta ccngggggaa 420
 acgtgtgctt ancatgggaa agggcccang gttaanccta agccccaat taacccaaac 480
 caaag 485

<210> 818
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 818
 ctgagtgaca tcaagaaagc acggactact tctcaaactt gggttcgagaa acaaacccta 60
 cactggtctt ttactcatta aagggttttt atagagttaa aaaaaaaaaa 109

<210> 819
 <211> 169
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 24, 60, 83, 86, 97, 101, 106, 117, 125
 <223> n = A,T,C or G

<400> 819
 gactgagatt cccccaccat tnanaacctg gaggcactgg gcccacaaag ccttgctggn 60
 aagggtccgtc ttcatctcatt atncanacaa agtggcnatg nggagntgct tttaaanagc 120
 taggnacatg tttagtcaaa tacatcccta aaaaatgggt gaagaaaaa 169

<210> 820
 <211> 139
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 87
 <223> n = A,T,C or G

<400> 820
 aagtgtctctg cgctctgcta ttaaccccat gaaaagagtt ctttccagat aagcggatac 60
 ttgcggctgc gtggagtggg tcccagnccc agtttgctac cagcaatccc aacccaagac 120
 acaggttctt gggttaaaaa 139

<210> 821
 <211> 178
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<400> 821
taagtactct gcagtgggac agatgccgtg gaaggctggt ggcgctgcct tctggatgac 60
actggcactt tatagttttc tacggaaaaga ttagtcgcaa acaaggcttg tagaagtcac 120
tttgttgttg tttttttaac ttttaattac ttaaataaaa cccattgttt tcatagta 178

<210> 822
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 24, 43, 54, 63, 65, 71, 73, 76, 84, 89, 91, 95, 97, 105
<223> n = A,T,C or G

<400> 822
tgactacact acattcancc catntagcaa gcttgtccag atngaatatg cttnggctgc 60
agnanctgga ngngcncctt cagngggant ngatntntga acctnggtaa caaccttgca 120
catattggaa ggagagaatc acttcttgca agttaacctc ggctgactat ggtgggccat 180
accagtagga tctgctgaag aatcgagcag aggcaggaga agcccaagta caggtaatcc 240
tctggctcca catctgtccc taaacacaca catatatgca ataaataaat aaatgcaatt 300
ttaaatagaa aaaaa 315

<210> 823
<211> 142
<212> DNA
<213> Mus musculus

<400> 823
gtaccttgct gaactcttaa atggttctaa gagttcacac gaggagtctg gatttaaaga 60
aacacgatga acagttttat tgtaagttcc ccgcaaactt ttgaatctga gcttccattt 120
actgttttgt atatatgcag gg 142

<210> 824
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 169, 186, 328, 363
<223> n = A,T,C or G

<400> 824
agactgagaa catcgatca gaagttgaga cttccctatt gagaagcagc ggaaggaact 60
tcagctgctc atcggggagc tgaaagaccg cgataaggag ctcaatgaca tggctcgagt 120
gcatcagagg cagcttctct cctgggaaga ggaccggcag aaagtgctna ccctggagga 180
gccctncagc aagctcgaag gtgagctgca taaaaggact gacataatca agtactgat 240
gaagaaggtc aagaccctgg agtccaatca agcagagtgc cagacagctc ttcagaagac 300
gcagcagcag ctccaggaga tggctcanaa ggccacacac ttcacccttc ttttggaaaa 360
acnttgaggt tggctttcat ttctgatgga ctttattagt ctgaatgctg ggcttccaat 420
gtcaccatta aaagcagagg 440

<210> 825
<211> 247
<212> DNA
<213> Mus musculus

<400> 825
tcagactggg tctgcagctg cccagaggaa gttcgctcac tcgctcagag acttcaagtt 60
cgagtttatc ggcgatgctg agactgacga tgaacggtgc atagatgcct cttacggga 120

- REPLACEMENT COPY -

atthtttctaac tttctgaaga atctggaaga acagagagaa atcatggcat taagtgtgac 180
tgaaaccctg attaaaccct tggagaaatt cagaaaagag cagcttggag ctgtaaagga 240
aaaaaaa 247

<210> 826
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 37, 47, 191, 211, 227, 267, 272, 281
<223> n = A,T,C or G

<400> 826
ccgagttacc cgtgccacct gctnccaccc actgacngag ctgctgtntct cagggggacct 60
ggcagccgcc tggatggcac agttgtggct gctttccacc catccttcgg agtggatttc 120
cccaactctc agttcagcaa ggaccgtctg ttctttgtca gagcgagacc agaaacaaac 180
gcgagacctgc nggatgccac actgggcctt ncggggggact gaggggtngaa ggacgagggc 240
aatttacacc tgccaagttt tgccacnttt cncaacgggt ncccggcaag ggggggtgac 300
cttggtctta ga 312

<210> 827
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 46, 47, 48, 49, 51, 52, 53, 56, 67, 75, 77, 79, 87, 201,
205, 209, 213, 229, 288, 297, 324
<223> n = A,T,C or G

<400> 827
actgactgag aaatcttcaa gcaagctcta tgtgggngaa ccggannnng nnnccangtga 60
aagctanagg ttatnanant tacaaaanaa ggaatgcccc gcaggagcta cagataatat 120
ccctgagaga tgacatcaag agccttcagg accttattga ttctctaattg aagatgaaga 180
ttttgaaaaa cacaattttt naaantttng aanaaccac tgggatctna ctgagaagag 240
tctaatctta aaagaaccgc ttaagggaac atctgggtggg gaagaaanga gattaangcg 300
gagcttcttg gagaaaaagg cggncctggc ccaacaactt tttggcct 348

<210> 828
<211> 179
<212> DNA
<213> Mus musculus

<400> 828
agactgggtg gctgaagccg tactatthta tagcagtcac ggagatcaag tgacgatgtt 60
acaaaccag aacaactttg gaaaatgaag ccaaagggaa acctggaaga tgacagttac 120
tcggtaaaat aatgactata atagccaata attaaaatgt atacatacta aaaaaaaaa 179

<210> 829
<211> 218
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 27
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 829
catgccaaact ccagcagcan aaagaanttg acagggggcca ggaggcccac ttgtgccaaag 60
ggtttggcac cttggaggggt gtagtggagc gtgcagttcc caagctggct gcgtgtggag 120
tggctcgcag catctggacg ggcttacagt agtgtggaaa tctgcatcgg tgcacgtaaa 180
acaaaaacca aaccaaacia aagggagaaa aaaacaaa 218

<210> 830
<211> 165
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 53, 99, 116, 143
<223> n = A,T,C or G

<400> 830
tgtgcctctg tctcagctga tattactctg ccaatcancc tgagtccctg gangtggcaa 60
gaaactgcag tacaccacca gaagattttt ttttactgng attctctcta tggagnccctg 120
acaaatgcag ctcaactatg cantgtaaga tggaccaata catgc 165

<210> 831
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 46, 111, 195, 246, 247, 249, 250, 259, 275, 314, 317,
327, 343, 355, 364, 388, 392, 397, 405, 411, 419, 430, 431
<223> n = A,T,C or G

<400> 831
gactgagccc cagaactcca gntgaagctc cagtcggctg ggcacnatgg tgcacatcta 60
caatcttatt acatgggatg ttgaggcagg aggatgccga gttcagtgtg ngcgtgcatg 120
tgtgtgtgta tttttatata tgaattacta tatactctca gaccatgtct caacaacacc 180
tacaaaaata aagangctct agtcagcata atcagtgttt gcagccttga cccaaaacia 240
aaaggngngnn ggctcagcnc catgagaaca ctttnggggg agacagaggg atttattttg 300
gcagcatcgc ctgnggnttc acttganttt tgaattaaag acngcgaaaa aagcntaatg 360
gccnccaaag gggacctggc taccttanta anggtgnagg gtaantgatt naatcgaanc 420
ccttcctttt ntttttaaag gggggatttg ggatcatatt tt 462

<210> 832
<211> 206
<212> DNA
<213> Mus musculus

<400> 832
gaactgagtc gtgcctttcc ttctgggatt gtaagtgaac cccgtgatca agtgttcacc 60
ggttcacctg tttacactgt gaagtgggta tcttacggag aacacaccag ctttggtttt 120
ctcacgcccc gtgaatgaat gtgtacgcca cagttttacc tgctgatact gtaaggtctg 180
aaaataaagt gaatgttttc cctcca 206

<210> 833
<211> 226
<212> DNA
<213> Mus musculus

<400> 833
ctgaggtata attgtgcaat cagcagctct gatgaccgca gtctcttttcg acgactgaaa 60
ctgaattatg caatttttga tgaaggccat atgctgaaga atatgggctc tatccgctat 120

- REPLACEMENT COPY -

caacatctaa tgacaattaa tgtaagagtg tgctttgtaa ataattgtga taaaatttat 180
ctttcctaatt ttaatacata cacacatgat tttaaatcaa aaaaaa 226

<210> 834
<211> 146
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 53, 65, 66, 71, 72, 76, 78, 79, 80, 81, 89
<223> n = A,T,C or G

<400> 834
cctagatcct cagagcttga atatatnagc aagacagaaa caatgcttat atnaatggag 60
gagannaaac nnaggntnnn ngcgaccanc agctcaaggg cagtctggat taaaaaaga 120
gaccctgtct cggaataga aaaaaa 146

<210> 835
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 67, 76, 105, 125, 151, 157, 172, 181, 218, 221, 227,
235, 238, 243, 249, 250, 259, 279, 287, 309, 314, 323, 325,
326, 335, 350
<223> n = A,T,C or G

<400> 835
aacgtctgtg agcagtgaan actttcatat gaatgactcc gcatggatgt cagctcaccc 60
ccgagtnctc tacatngcag atccctgcag gctatcaaga gaagnggtgg atgatcatct 120
gttanaccag ggatagttaa caggacccat ntgaaancat ttttttttcc tntcaccact 180
naacaaatgg acagtttatt cccaaggacg gttttggnga naggcangct gggcnagnag 240
ggnccttggn gactttganc aggtggaacc catcttgtn ctcctnatt ttctaaaggg 300
cccacaaant gacntccaca ggngnntttt aggggnattaa ctaccaggtn atttcttaca 360
aaaatgcttg ctttgaaact caa 383

<210> 836
<211> 181
<212> DNA
<213> Mus musculus

<400> 836
ctgagtaaac atcgggtactt tcagaatata ggaatgagag gcaaggaaga aaggacattc 60
atcatacgaa gatttgaatc actttgaaac tgtaaagga tgtagcactt gctgccaac 120
taccttgctc accagaatga aggaagtgtc tcagcattaa atggtaacca taatcctcct 180
a 181

<210> 837
<211> 168
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 36, 52, 83, 91, 93, 116, 133
<223> n = A,T,C or G

<400> 837

- REPLACEMENT COPY -

```
ctgtggagaa gatggaatga cagntactat gctcanattc gcaattacga anggtctgct 60
cgaaaatgga agatgtagac ccnagtcctt ncncccagat ggacagagac aggatncatc 120
tcacatgaac cntnacagag atggaatgcg gagagcactc tggcatcc 168
```

<210> 838
 <211> 382
 <212> DNA
 <213> Mus musculus

```
<400> 838
ctaataggga tgccaaagga aaaatatgat cctccagatc ctgcgagaat ttacaccatc 60
atgtccgcag aggaggtagc caatgggaaa aaatctcact gggcagagtt agagatctcg 120
ggtagagtgc ggagcttaag tacatcactc tgggtcattaa cacacttgac agcactgcac 180
ctaaatgaca ataaccttgc tcgcattcca cctgatattg ccaagcttca taatctgggt 240
tacctggatc tgtcatccaa taaactcaga agtttaccag cagaactagg aaacatgggtg 300
tctctcaggt gaggaacat ttcattatat acaattacaa atttatcaaa taaaaaactt 360
atgggatgct taaaaaaaa aa 382
```

<210> 839
 <211> 231
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 100
 <223> n = A,T,C or G

```
<400> 839
aagaggtgca tccatgccaa gcacgggtgct acatgcatgc ccatcccagc actgagagct 60
ggagcaagaa catggcgagt ttgaggacag cctggacctn ctatcccaga aaggctggaa 120
atagtgggat aggggggacc aaaccacgga tgggtctgaaa aacaagatgg aagcagattg 180
cctcccttta aaatgggtcgc tatgggaacc ccaaaaataa aattaaaaaa a 231
```

<210> 840
 <211> 336
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 53, 222, 318
 <223> n = A,T,C or G

```
<400> 840
gacctgacca tgcagaggat gatgctcgtg acgggttaacg cctcgaatca gcnacggctt 60
gccgttcagc agcagcagac cattttcaat ccgcacctcg cggaaaccga catcgcaggc 120
ttctgcttca atcagcgtgc cgtcggcggt gtgcagttca accaccgcac gatagagatt 180
cgggatttcg gcgctccaca gtttcgggtt ttcgacgttc anacgtagtg tgacgcgac 240
ggcataacca ccaccgctca tcgataattt caccgccgaa aggcgcgggtg ccgctggcga 300
ccttgcgttt taccctgnca taaaagaaac ctggtc 336
```

<210> 841
 <211> 261
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 30, 34, 67, 75, 96, 119, 121, 152, 192, 206, 210, 212, 234,
 241

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 841

```
caatcacccg ttgaggcttt atgctccagn gatnaccctg caaagcaaga gaagatgaat 60
caccacnccg gaatnggttc aacagtctac aacaanagtc caagataacc ctcacctcnc 120
ntgactagtg tgcaggcctg accaagcgag gnacagctga aagtttgagc ccatgtttca 180
ttggaaaata anctgcctgc atctcnctgn gnatcaagcg cctgcccttc gtctgtcatg 240
ncgttttgtt ttgcaaagcc c 261
```

<210> 842

<211> 168

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 107, 114, 128, 148

<223> n = A,T,C or G

<400> 842

```
ctgctgcctt ttctgtcctt gaagccatgc tcttgacagc agcggcctgt ggtgacagta 60
gtgagacctg cttatcaggg tgtactaccg ttttgtcatt caaactnaat tacnccaatt 120
cagttgtnta ataactcaga aggcatancc atatttttga gtattgtg 168
```

<210> 843

<211> 147

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 37, 117, 124

<223> n = A,T,C or G

<400> 843

```
atgcaagtac ctgctcactc cgcccttctn tcttaacnac ccaggccccc caaccctaag 60
ccaacttgag tccccactct gtcaccttga ttccaatgaa gatgggtgtgg atttctnata 120
ctanaaataa tagcgctctt tgttttg 147
```

<210> 844

<211> 102

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 26, 28, 42, 52, 55, 63, 69, 78

<223> n = A,T,C or G

<400> 844

```
ctactgcaga cccggccccc caagcncnct gactgaaaag cngggcatcc gngtntctga 60
gtntcttanc aataaagnga aatgcaatct taacaaaaaaaa aa 102
```

<210> 845

<211> 172

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 35, 43, 55

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 845

```
agactgagaa atgactgcac gactgagcaa cctcngaggc agngtcatca atgangtagt 60
cctgagtttg cttaagatac atgtggccct acctcatcct ggaggctggg ggtgcccttc 120
agcactccac actccgtttc aataaagaat aactaaatcc caaaaaaaaa aa 172
```

<210> 846

<211> 106

<212> DNA

<213> Mus musculus

<400> 846

```
gactgaggat cttacttgcc ttggctagcc tggaactcac agagatctgc ctgcctcctg 60
ccttcccagt tgctagtatt aaagggtgtgc accactaaaa aaaaaa 106
```

<210> 847

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 23, 60, 86, 109, 115, 116, 119, 127, 128, 136

<223> n = A,T,C or G

<400> 847

```
ggcgtccacc atgaccanca gangctgatt tttgccggct tgccgctaga aaatggctcn 60
cactctctct gattactaca tccatnaacg agttaacacc tgcacctgnc ctacnctna 120
ggggtgnnta ttaatnattc aggagctgca ttactactgg 160
```

<210> 848

<211> 140

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 33, 43, 55, 56, 61, 79, 102, 110, 115

<223> n = A,T,C or G

<400> 848

```
ggatccatgc ttgggtctgg ctttgnaata aanatcaatg ctncggacgc actgnnatgc 60
ntgaacatct atcagggcnt gctcaaagta tcttgtgctg angagtggcn ggaangtatc 120
gacggagggc gaacactcca 140
```

<210> 849

<211> 330

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 24, 32, 50, 58, 66, 68, 74, 80, 82, 87, 90, 97, 99, 112, 146, 159, 173, 187, 189, 273

<223> n = A,T,C or G

<400> 849

```
gagactgagg tcccagtact ganntgataa cntagtctta caacccaacn agaatacnaa 60
cagttntnaa aaanccttgn cnttggngan ctctaanant ttgatccagc anccaggcag 120
gatacacttg ttggcccaag gtcccnaact tatacagang aggactgcct ggnctggact 180
```

- REPLACEMENT COPY -

```
catggangna cgacactcct aatccttgag agacttgaag tcccagggat tggggagggc 240
ctggcaggat gttgttgaat ggttgtgggt gtnaaggccc cccttattga aaatgtacca 300
aagggtcggg atatgggatg aaaaactggt 330
```

```
<210> 850
<211> 141
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 27, 50, 72, 75, 79, 85, 89, 90, 92, 97, 99, 102, 103, 104
<223> n = A,T,C or G
```

```
<400> 850
tagaaaagcc ttggctgttt gccacgngcc tctggaccac tacgactttt tggatcaaag 60
ctcaaggagc tnganggang atgancgttn cnagaanant cnnntccact gttttgcaag 120
aagttacaag ggaggacctt a 141
```

```
<210> 851
<211> 122
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 19, 32, 35, 36, 47, 48
<223> n = A,T,C or G
```

```
<400> 851
ctgggacctt gaatttaant tctccctatg antanntgga tgctganncc gtgaaaagag 60
ctaaaatgaa ccagacctct gcgtgtgact attaaaaacc ctgaaaagtc caaaaaaaaa 120
aa 122
```

```
<210> 852
<211> 343
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 25, 34, 39, 43, 53, 63, 81, 90, 100, 135, 147, 150, 165,
175, 195, 200, 201, 239, 247, 254, 277, 289, 293
<223> n = A,T,C or G
```

```
<400> 852
gctgggaaca ggggaagaca ctctnccctac cganggctna ttntgttggc tgngaagaag 60
agngggaatg ataccttggg nagaagaan cttgaagctn ctggccagag gacacttgcc 120
tttgaggagc ttcgnaggca gctaganaan ctgctgaatg acggnggcag caatnaaccg 180
tgtgttcgac tgganggacn ncccaacctt aaatgagcca gcaggattag ccagtccant 240
taccatntag tttnngagcc ccttcacatgga caaacntgt cctgtttant ttntgcaaat 300
tatcttttga agactccctc ttccgaaggt ggggattggt ccc 343
```

```
<210> 853
<211> 336
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 39, 41, 51, 56, 64, 71, 72, 73, 75, 82, 94, 101, 114, 124,
```

- REPLACEMENT COPY -

145, 149, 154, 159, 163, 165, 168, 175, 181, 190, 225, 235,
258, 278, 288, 291, 311, 319
<223> n = A,T,C or G

<400> 853
gccgagaggc tgggctgagc tggaggggaat ttctagcana nggccacaga ngttgngcat 60
ttgntggctg nnnanaaggt gngaattatc cttngggagaa naatcctgaa gctnctggcc 120
agangacact ttgcctttga gggancttnc gtangcaanc ttnanaancc tgctnaaatg 180
naccgcgggn atgtaatcaa cccgggtgtc ttgcacttgg gatangaccg ccccnaccct 240
ataattgaag ccagccanga ttagccattc caaattanca ttttatntc ngaagcccc 300
tttatttgac naacctggnc ctggtttatt ttcttg 336

<210> 854
<211> 167
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 27, 32, 35, 40, 41, 42, 55
<223> n = A,T,C or G

<400> 854
aaggtgggac aggagncatc actctgncaa tnaantgan nntgcggaaa ggaanagaag 60
ccacaccaca ccaccagagg gtttttttga tgcatttctc tctatggagc tcaactatat 120
aacgtaaggc agcccaatac atgtgtgtca ttagtgaaaa aaaaaaa 167

<210> 855
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 33, 38, 43, 45, 57, 62, 64, 75, 76, 78, 84, 93, 98, 101,
110, 111, 114, 122, 123, 128, 130, 133, 193, 241, 254, 257,
266, 274, 282, 288, 293, 305, 310
<223> n = A,T,C or G

<400> 855
atctcatgga gaaaagctgt cgaaactgan ganaacanaa gtncngatgg ggctctngcg 60
gntntgaaag cttgnnangt gtcnacagag tcntcatnga ntctgcctan ncanagggaa 120
tnnatcngn ctnntttttt gccagattt tgattggtct tatttgctg aagagaaagc 180
tgttccggat cangcttcaa ggagcacttc agaaacatct ggtaatatg tcagaccagg 240
ngaaccacca acanaanatg tgtcanactt ggtntataac anaatganct ggnagcaaga 300
tttanaatgn gcaaccacca ggctttcaga aactagacca atggaggc 348

<210> 856
<211> 238
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 122, 128, 135, 136, 196, 217
<223> n = A,T,C or G

<400> 856
agcaggtgct gtcacctggt cacctcacac attgaccaga gtatcacgct gaaaagtgat 60
ctcattcttt catggatgcc ancatgaaga aatcatggga ttttggtttt ttttaacaaa 120
ancattgnat attanntttg cttttcttct tcaagtctca acacataatc ctggctgacc 180

- REPLACEMENT COPY -

taaaagctca ctgggngaac ccagggggac ctttacnttg ggggactgga gggggcct 238

<210> 857

<211> 269

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 79, 199, 234, 240, 250

<223> n = A,T,C or G

<400> 857

caccttcccc	cagccactgg	ntgaaatcct	cagtgggttat	tcatgaacac	gcacccacca	60
tgttttatgg	gactcagtng	atcatgtctc	ctccaccaa	gaataagctg	aagcgacaga	120
gccagctcct	atccacaatg	ctgtcccgga	cactgagcta	caaagtattg	agacctggat	180
tccaccttct	gcagcctang	tgccagtgc	gaccctcag	agctcttcac	gcanctcttn	240
ggcccccggn	gtcctcaagg	tcgtttgga				269

<210> 858

<211> 192

<212> DNA

<213> Mus musculus

<400> 858

gggcttacct	cagcatgtat	gtctgtctca	ctgacatcac	tctgccaatc	aagaccttgg	60
aagcagccaa	aaactgcagc	ataccaccag	aagatttttt	ggtgcatttc	tctatataga	120
atcctgacaa	atgcagctca	actacacaat	gtaagggtgga	ccaatataac	cgtattgtta	180
gcaaaaaaaaa	aa					192

<210> 859

<211> 208

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 100

<223> n = A,T,C or G

<400> 859

tgactgtggt	ggggcatgga	gtaccataacc	gtcctggaat	gccttgccca	ggggaagaca	60
gtgagtgttc	taagtgtctc	gcacacttat	tactcacagn	ggaaaactaa	gaactttttg	120
ttttggttta	ttttttgaga	caaggtttct	ggctgtcttg	gaactctctt	tctaagacca	180
ggctggcctc	cacctctcaa	attggctg				208

<210> 860

<211> 427

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 62, 65, 71, 87, 224, 227, 235, 240, 242, 256, 267, 269, 270, 271, 280, 282, 297, 306, 315, 317, 320, 337, 345, 352, 404

<223> n = A,T,C or G

<400> 860

agactgagaa	cctgctcaag	ccgctgccat	ggatcccagg	ccactacctt	ctttcaagca	60
anaanaagtt	ntacgaatgt	gggcttntgg	acaccggaaa	caaagtgggt	ggcagtgggtg	120

- REPLACEMENT COPY -

```

ggccccgccgc gtggactgtc tgaagctatg gctcatgtgg aaggcacagg gtggggcaggg 180
gttggagcgg cgcacgcacc aggcctttgc tctcaccgg tggncntgt gctcnaggan 240
cncatggtga agaatingac catgacnann nggtaccaan cncatgggac cgggcnanc 300
tttttnccaa tgggngnggn caaccccata ctggccnagg cccanataaa tntccttctg 360
ggcaaactga aactcctggg ccaggacctg tgaactgctt ttgntttttt ggcccaccca 420
aactttg 427

```

<210> 861
 <211> 306
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 121, 138, 154, 161, 162, 241, 242
 <223> n = A,T,C or G

```

<400> 861
cactgaggat gacacacgag ttgtgagagt gaaggttata agctggcata ggcctggcca 60
agaaagacat cttgggagcc aggtttccct gggaactgcc tgtgaccaac tccaggggat 120
ntggcgccct ctccctggncct ccacaggcac tgcncacatg nncacacaac ttaaattctt 180
ttaaagaaga aatgttaaag caggttaaag ctccctgggtga agagaaagga aaagaccatc 240
nnaagtgata aatacctgga atctacagat gctttttttt ttaattaatt aaaagtttta 300
tttttg 306

```

<210> 862
 <211> 101
 <212> DNA
 <213> Mus musculus

```

<400> 862
actgaggttc ccagagtcta ccttgtgaaa tgttttaggc taaagaagag tccagcaaca 60
gctaactgag agacctgaat aaaagggtta attaaaaaaaa a 101

```

<210> 863
 <211> 133
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 45, 55, 66, 72, 83, 85
 <223> n = A,T,C or G

```

<400> 863
cattgtcaaa attctagaag acattgaang gcatgaaaga aggcntattg gaganaaacc 60
ctatgnaccg tnatcaatgt ggnanagcct ttgcatgtta caatcatctc caaatacata 120
agagaacaca tac 133

```

<210> 864
 <211> 196
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 60, 78, 80, 82, 99, 102, 108, 114, 118, 119, 123, 129, 155
 <223> n = A,T,C or G

```

<400> 864
cttgccctgc tcaagtcctt acggaacaag cgaggcccac gtgctgctga aggatcggtg 60

```

- REPLACEMENT COPY -

```

gctcctcttc ctggaagn cn gntttctcct agcactctnc anatgaanac gtanaacnnt 120
canctctgnc tacatcatgc ctgcctggat gctgnecatgc ttccaccttg atgatggact 180
gaacctctga acctgt 196

```

```

<210> 865
<211> 633
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 27, 35, 52, 73, 126, 319, 360, 380, 398, 509, 537, 544, 548,
585, 601, 608
<223> n = A,T,C or G

```

```

<400> 865
ttagactccg ttagtgccct gctaagngaa gatgnattaa actcgcaggt gnacaaccaa 60
cgagtcaagc atntctgcta ctaccacggc atgaagccct atctatgcta ccagctggag 120
cagttnaatg gccaagcgcc actcaaaggc tgcctgctaa gcgagaaagg caaacagcat 180
gcagaaatcc tcttccttga taagattcgg tccatggagc tgagccaagt gataatcacc 240
tgctacctca cctggagccc ctgcccacaa tgtgcctggc aactggcccg cattcaaaag 300
ggatcggtcca gatctaatac tgcatatcta cacctcccgc ctgtatttcc actggaagan 360
gcccttccag aaggggctgn gttctctgtg gcaatcang atcctgggtg gacgtcatgg 420
acctcccaca gtttactgac tgctggacaa actttgtgaa cccgaaaagg cccgttttgg 480
ccatggaaag gattggagat aattagcang cgcccacaaa ggcggttca caagatnaaa 540
gagntctnng gtcttgcaaa tttggtgaat gacttttgaa acctncagct ttggaccccc 600
ntgtcttnag aaggcaagaa aataatttaa gaa 633

```

```

<210> 866
<211> 303
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 41, 46, 68, 70, 74, 85, 91, 100, 104, 109, 112, 130, 145,
146, 147, 148, 149, 163, 201, 235, 239, 251, 256, 267, 275
<223> n = A,T,C or G

```

```

<400> 866
gactgagaag aaaagggggt caaaagcggg ccaccgacgc nccacnccga gaacaaccac 60
atgattgn tn caanccctaa gccncgctg natgtcctgn cctnaagang anccctgata 120
ctgctaaatn cctgctttac tgtgnnnnng ccaaaagaaa aanttccact gccccatccc 180
tactgctgag gtgcatttcc nctaccccat tctctctgct gagaagaact tccntttng 240
cttgggcatt naaacnttgg gcttgntaa tacantgggg ccttgatgct agtaaaaaaa 300
aaa 303

```

```

<210> 867
<211> 103
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 16, 24, 59, 60, 71, 83
<223> n = A,T,C or G

```

```

<400> 867
caaaaagata tcttcttagg gatngaccaa gtaatactgg agagaaaccc tttgaatgnn 60
ttcaatatga nggagccttt gcnagaaacc atcatcatca gtt 103

```

- REPLACEMENT COPY -

<210> 868
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 32, 42, 43, 46, 55, 57, 60, 70, 118, 123, 131, 178, 194,
 216, 223, 253, 305, 320, 321, 322, 326, 350, 352
 <223> n = A,T,C or G

<400> 868
 tgggtccagg attcggctca naatgacgtc angagaaggc anngcngggt tttcntnttn 60
 aggccatgtn ttcctacacc gctcgcaggc aggaatgttc tcacatggga cctttctnca 120
 gancagatca ngacgaggac agaggagctc atagcacaga ccaagcagggt gtatgatncc 180
 gtggggacaa tcancctgga ggatgtatct tacganaact gtntgcagggt gctggctgac 240
 atacaagtga agnacataac tggaaaggac catgctggac ttccctcaac acgtgtcgtc 300
 tgacngagaa gtgcgggctn nnagcncaaa agcggacaaa aggctttctn gntttgatat 360
 tgagatgagc ctgaa 375

<210> 869
 <211> 359
 <212> DNA
 <213> Mus musculus

<400> 869
 ctgaggagaa gatggagggg ctgaaagaca agaccctgca ggagctggag gaaatgcaga 60
 atgaccacaga agccattgcc cggctagcct tggagtctcc tgaggttcag gacctgcagt 120
 tagaacgaga gatggcactg gccacgaacc ggagcctggc agagcaaaac ctggagttcc 180
 aagggtccctt ggaaatcagc ccgctctaac ctctcagaca aataccagga gctgcggaag 240
 cttgtggagc ggtgccagga gcagaaagcc aagctggaga aattttcctc ggactgcag 300
 cctgggacct tgttggacct tctgcagatc gaaggcatga agatcgagga ggagtctga 359

<210> 870
 <211> 426
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 246, 258, 317, 334, 335, 409
 <223> n = A,T,C or G

<400> 870
 actgagtggc cagaaccccg ttcccagtga gaagcttcca gtgcctgaca gtgtgctaag 60
 tatgttcccc agcacagagg aagggcctga ggacgacagt gcaaagcatg gcggtcgaat 120
 ccgaaccttt ccccatgagc ggggcaactg ggccaccac atctacatac cgtgtgagtc 180
 actgactaaa gtgcctctag ctctggctag gaggaagaca ccagggtgctg tgtgtgctgg 240
 actcancctc caccgcanac ctgaggagac aatggaccgc ctaactgctg aagtagacct 300
 tcctgcactg ggtgttntgt cagctactgg gtgnntcatt tctgcacctc taaagtgggg 360
 gggatgctat ctatctcttt ggaaagatta aatcagataa tctatgccna ttagcccaat 420
 tcgcaa 426

<210> 871
 <211> 616
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 362, 468, 557, 575, 594

- REPLACEMENT COPY -

<223> n = A,T,C or G

```

<400> 871
actgagaagc aagaagaaac ctcaagaacc tagctcagat ctgcaagata agaacgagga 60
gcaggagaag tcctccagtt gcacaggggt attcaaaggt ggaccattct ttttctgtct 120
gacctgtggc aaatgtttca aaaagaacac cttcctcttt aatcaccagt ttcctgtgag 180
gtcccggagg ctggcagtca caaatccaca aagccgcaaa ggcaagggct acaaggctca 240
gcatcgtgga gagaggcctt tcttttgtaa tttctgtggc aagacttacc gtgatgcttc 300
tggactgagc ccgtcccggg cgtgctcatt taagttatag gcccgttca tgccctgagt 360
gnggaaaggg gttcccggga tcaagctgag ggcaaccgcg acctgaaagg acaccaaacc 420
aaagccagca gctacaacca ggctggcaac caggctacaa ccagaggntt gaagaagagg 480
ggtccaccta cacacctaaa tccaagcgcc cgcctcaaatt atttaaagt atccccgggac 540
catggcccag gctaagnacc gaaaacggac ctcanccttg atgcagatca cttntttcag 600
gggccttaaa aaaaaa 616

```

<210> 872

<211> 331

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 36, 61, 64, 269

<223> n = A,T,C or G

```

<400> 872
tttgcaagga tggaacctgn ctgctgcaag ctatgnactg gagtgtgtgt gcagccgctg 60
nctntgtctg tactgcctct tattgacgca gatgaaatat tgatgtgtgt gctgtgtggct 120
ggagcccagc cagcccgggc caggggtggg gcagggaggg cgggccaaag agaaggcatg 180
cctcacgggg ataccagcga gcagggcccg ggcccctact ggctctattc tgccctgtctg 240
actcttggtg gccccggggg agggagaanc gtgttgagg ctggacatat cctaattctat 300
cattgcacct cattcatcct tggaaaaaaa a 331

```

<210> 873

<211> 115

<212> DNA

<213> Mus musculus

```

<400> 873
tccagcttct cctgcgccat acctgcctgg aagctccgag gcttctgcct tcataataat 60
ggacagaaac tctgaacgtg taaaggagcc cctattaaat gttatccttt ataaa 115

```

<210> 874

<211> 111

<212> DNA

<213> Mus musculus

```

<400> 874
catcaaccag acccggtctg agttccactt ctctggtaga atggccagcg gcatggagggt 60
ccggcagacc cgcttcatgt tcttcgtaca gttccccac aatgccaccc a 111

```

<210> 875

<211> 189

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 52

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 875
agactgagac aggggtctcat gtcgtcctgc tggagccac ttcatcatgt anctgagggc 60
gaccttgacc ttcctgctgc cttccacgtg ctgggaacaa gtcttccatc actcctggcc 120
tgaaacgttg cctctgatcc tagcaccatc atagagtaat gaaattcata taaagtgaaa 180
aaccgacta 189

<210> 876
<211> 177
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 41, 63, 67, 73, 77, 112, 127, 158
<223> n = A,T,C or G

<400> 876
tatatttcaa aaataagcct gaacacacca cctggcacia nagtgaagct ctctggcact 60
gtnggcntta aanaacngat tctgtctctt aagtgaactc taacaccaca gntcttggtg 120
gtgaagngga acacctaatt gacaagtggg ctttacanag aagcttatta aagcata 177

<210> 877
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 54, 55, 63, 75, 79, 86, 93, 102
<223> n = A,T,C or G

<400> 877
tccactacca acattgctgg acattttcaaa tgatgaagtc tctntgggg gctnngtcaa 60
aanccttttc ccaantcnc aaaaantccc ttnaaaaatt gnggaacccg aacccttgtc 120
c 121

<210> 878
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 59, 60
<223> n = A,T,C or G

<400> 878
gactgaggat gaaggcttct ctgctctagg ctttccctca gaccctgaag acatctgtnn 60
ctcatttccc atctgcccc ataaagaagt ttctatgtca ggcaaa 106

<210> 879
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 83, 121, 218, 282, 332, 374, 378, 381, 404, 413
<223> n = A,T,C or G

<400> 879

```

- REPLACEMENT COPY -

```
ctgaggggaaa gacacctgcc taagatcaca ggtcaaacca ggcattggtg tttatgcctg 60
ttctccaaac attaaaggaag tanacgcagg aggatccgag ttcgaaacca gctctgaatg 120
nacagagaat tcgaggccag ctgggcctac aggaccggtt tctcaacaac caaccaacca 180
tggaaccag agaaactttg atcctcagag agatctanaa gcctgctgaa gcctgcaagc 240
aagcctacaa cctccctcaa gcttcctcgc cctaaaccgg anagtcaccc cctgagcctc 300
cttcctgctg gggaaccac tccttggtca gnagtctcca aatgaagaaa ccggaagagc 360
cagagccgac tgangtgngt ncatgaacat gcgcaagcct tcgngcgggt ggnttaactt 420
ctggtttttc ccaa 434
```

```
<210> 880
<211> 191
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 48, 58, 82, 99, 140, 147
<223> n = A,T,C or G
```

```
<400> 880
tttgctactt aaggtaccaa gtacctggct ccgtgcattt cacaggcnca gtgggcanag 60
ctgtaagcta cattcaggct tnccttggca cttaaggant ttccaattcc ttgcctgcct 120
ttaactgggg aaagctccan caatcctntgg aagggttctct gggcaaataga ctactgctgg 180
gaggcattca a 191
```

```
<210> 881
<211> 314
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 16, 24, 38, 44, 49, 62, 74, 94, 102, 103, 131, 139, 169,
172, 173, 193, 211, 213, 237, 238, 261, 262, 269, 288
<223> n = A,T,C or G
```

```
<400> 881
ggcatgaaag aactcntgct gganagaaac cctatganta tgcncatang ggataaatcc 60
tncatatgtc tcntcatct tcaaaagctt gatngaaacc annctagaga cagacactct 120
gaagtctttc nccatagtna agtgctgcgc gtgtcgaagt cctctccana tnnataaagg 180
aacagacact gcncataaac cctacaaaat nantagctgg gaacgattgc tttttttnnga 240
cccagacactc tgatgtcttt nnacatagna aagtgcttgc gtgtcaangc ctcttgcaaa 300
taaataaagg aacc 314
```

```
<210> 882
<211> 356
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 173, 204, 214, 232, 256, 257, 258, 271, 290, 302, 303, 310,
313, 317, 325
<223> n = A,T,C or G
```

```
<400> 882
gcaaaggggg aggcgtgaat tattcacccc ctttttaaac aagaggggtgc tctgcagctt 60
cgcccactcc agagccatct ttgatccctaa gttgccaaaa tgactgaacc atcacagaag 120
aacaactcca ctcaacagga gctcactaac cacttgtttc cagagaaaaag cantcagatt 180
ggacagaagc aactgcaaca gatngaacgg cagntaaagt gcttggcatt tnaaaaccct 240
gggacctcag gtgggnnnga tttttaaccc ncgaggacat ggcaggtagn aaaaaggaat 300
```

- REPLACEMENT COPY -

anncggcggn atngttncaa gcatngaagtg gagctacctt ttttcctgtt gaaagt 356

<210> 883
<211> 404
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 321, 324, 370
<223> n = A,T,C or G

<400> 883
ctctggtgcc tctgagcctc gtgggagcag ccagcaaac cagcaggagg ctggaccaa 60
ctccagagca ccagagagag cagagcttga gacagcagg gcctccatct tctctgctgc 120
ccacagggca ccttgctgtc cccacaaggc cagtggggcc atggagggat tgtgcagagg 180
ctcacggggc aggtcactgg cagagtggag tgtatgacct gcggctgggc cgtcgtgtag 240
tagccgtgtg gtgtgaacag cagcaggaag gtggaggctg gactgtcatc caaaagacgg 300
caggacggct ctgtcaactt ntnaccaac ttggcagcac ttacaaaggc gggctttggg 360
cgtccagaan gaaaatactg gctggggcctg gaacctgtgc atca 404

<210> 884
<211> 217
<212> DNA
<213> Mus musculus

<400> 884
agcgagcccc agtgcaggga ggctgggcta cacctaccaa gagccagtct gctactcagc 60
cagcttcccc tgctaggagc cgtctttccc agaccgcggg gccagcctgg aggagcaagg 120
aacagcagca atgtgaccga caatttgtgt tcaaagaacc tcagctgggt gtccgtgcag 180
ccccagaacc cagagtgtat gacaaggag ggtgtggt 217

<210> 885
<211> 376
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 34, 53, 56, 59, 325
<223> n = A,T,C or G

<400> 885
ggcctcgaga ctatcatgga gggctccccg ngcnaaggcc tgtacttctt tnggtncgna 60
agctgcagtg catttggtgt gactgggggtc ctgctgattc tcttcagcct caaccttcat 120
atgaggatcc ccagatcaa ctggaatcta acagatttgg tcaacactgg actcagcact 180
ttctttttct ttatcgctc aatcgtgttg gctgctctaa accataaaac cggagcggaa 240
attgctgccg ggatatttgg cttcttggca acagcagcct atgcagttag cacattcctg 300
gccatgcaga aatggagagt cagcngtccc gccagcagag cactaatgac tacatccgaa 360
ctcgcaccga agtcga 376

<210> 886
<211> 171
<212> DNA
<213> Mus musculus

<400> 886
agactgaggg ctgaactgaa aaaggatcaa aggcgtctaa aacgtctttg gagccccctc 60
tgaatacatc tgatggtgta tacgcagcta acagacattg ggcgcaacag aactaatcga 120
ctgtgtgata gggttatgcca tttaattctt tctagaagct gaaaaaaaaa c 171

- REPLACEMENT COPY -

<210> 887
 <211> 236
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 199, 204, 207
 <223> n = A,T,C or G

<400> 887
 cagttcctgc agcagcttaa catcttggat tataagcatg agactcaaca tccagcttga 60
 actctccatg ctactgacg tggataactt cttcaccgca gcaaccttca agaagggctc 120
 acagaaaatt agcattagtg taaatttcag taatgactga ttaactaaat atatgtttac 180
 cagaattatc aaacttttna aatnaanagt cataccatca aattgaaaaa aaaaaa 236

<210> 888
 <211> 384
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 129, 138, 140, 141, 146, 151, 155, 167, 168, 173, 175, 180,
 185, 186, 194, 213, 223, 226, 238, 239, 243, 260, 261, 263,
 267, 269, 276, 277, 288, 289, 316
 <223> n = A,T,C or G

<400> 888
 gaggtggggt ctttcaagaa gcacaggatg tcctcctgca actgagaaaa gaatgctact 60
 accttacttg tcagctgtat gcattgaaag agaagctaac ttcccgacaa agtgaagaaa 120
 cgactcagng ctgcaaangn nattgnggaa naaangtgaa gatttgngnc cananacatn 180
 attgnntttg ccgncgggtg atacaatcct gangagctga gtncantcat tgggactnnc 240
 cgngctggaa agagaactgn ncntctncnc cccacnnaaa gaagctgnnc tctgatctct 300
 atgcatgctt cctcnggcct ccccccaaat aagtaaataa tgtttttaaaa atgtatagac 360
 aaagaagaag aagtttttaa aagc 384

<210> 889
 <211> 380
 <212> DNA
 <213> Mus musculus

<400> 889
 gaggcgctgt gaaacgcgtg gacagaccaa tcccgacctg aggagagctg gttccttcct 60
 ggggaaggcg cagatttggg attttgaact tctgacgctc tcgccaggaa aaggtgcgct 120
 ctgtgtcagt gtatccacca tgtcgggcgt gcagtccaaa gcagccaggc ttcaaaagga 180
 gcggaaaagaa aagctgtcgg cagacaggga gagaaaaacg gccacatctc tgtgcttaaa 240
 acacagcgaa gtacctgcat ccatgatgaa gcagtttaat gctttaatgg aaatgcaaga 300
 ggtgatgttt gcagagatga gagaaaccta taaaaacgat ataaaggaaa tgcttggttaa 360
 aacgaacagc accttgggtg 380

<210> 890
 <211> 328
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 134, 140, 148, 159, 162, 185, 190, 202, 218, 286, 289, 297
 <223> n = A,T,C or G

- REPLACEMENT COPY -

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<400> 890
acactgagtg gcaaagtgct aaccacaccc tctcagcagg atcccgcgcc tcaagagcct 60
taggtcccgc cccacactcc ctcaaaccct cagtgcagcg cttgttgtca ggcgcaatct 120
cgcatcgatc cggngaggcn gctacgtnga gctccactng gncccaaaag tacctgcaag 180
cgctncacan ttgcgctcgg cnccttgcgt ttgttctnac tttccgagat atccactgca 240
tcttgagtcg tgcattccact cccgggaggg ggctgcggca agctcngtna tggaaanaaa 300
gagcgtgata agccagctag acaggtgg                                     328

<210> 891
<211> 165
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 63, 75, 95, 96, 97, 98, 99, 104, 106, 133, 147
<223> n = A,T,C or G

<400> 891
ctgaggaccg ctgggcagaa tgtcacgatg gatgaggggg gcctgcccct gctccccgac 60
agncttgctt accanatctt cctgagtttg ggccnnnnna atgngntggc tactgggctg 120
ttataccatc aanggcaagc tgagtcngga atgagttctt atggc                                     165

<210> 892
<211> 383
<212> DNA
<213> Mus musculus

<400> 892
gaaactgagc atctgcccac gaaaatgact ttccagccct taaatcatgg tttttcaaca 60
tcagcaaagt gcttaacgcc tcctccttca aaagataatg ctccctgcgtt gaacattgag 120
gacctcatag agaaactgca ggctggagtg atggtaaagg atcagattag tgatataaga 180
atatctgaca tcatggatgt ttatgagatg aaactttcca cattagcctc taaagagagc 240
aggttacaag atctcctgga agcaaaagcc ctggctcttg cacaggctga cagactgatc 300
gctcagtatc gctgtcagag aacgcaagca gagacagagg cacgaacact tgcgggtatg 360
ttacgagaaa gttgaaaaaa aaa                                     383

<210> 893
<211> 122
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 28, 32, 39, 46, 68, 71, 72, 79, 81, 83, 101
<223> n = A,T,C or G

<400> 893
ctgggcagac ggccataatn gcttactngt gnaactctna tgcggnacgg ccaaggcaga 60
acagactnta nnaaagaanc ngngataatt caggccaaga ngagaaaaac agcacaggat 120
gt                                     122

<210> 894
<211> 147
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 67, 71, 78, 81, 87, 88, 94, 98, 102, 103, 113
<223> n = A,T,C or G

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- REPLACEMENT COPY -

<400> 894
acagactgag atggacagtc tgaggctgag agagggctag tgatttctcg gacacttggg 60
cagtagnacc nataccancc ngtagctnngg gatnccgangg cngtgagag gngctgcaa 120
cagccccttg agacgaatac cactctg 147

<210> 895
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 20, 33, 52, 66, 85, 92, 112, 129, 178, 192, 198, 222,
224, 230, 245, 266, 278, 280, 286, 298, 315, 324, 328, 346,
351, 362, 367, 369, 373, 385, 388, 394, 412, 425, 436
<223> n = A,T,C or G

<400> 895
atccgaaagt ggacccccnn ttagcgcgcg ctncacctac aagatgaact cntaggcgaa 60
gaaacnctgt ggtactgccc actcnccccg cncctcccac ggatggagca anattctgga 120
ggacgtgcna ggggcacccg ctcaagatcc tgttttctact gccctggccc cggaagancc 180
cccagaccca tncccaangg ctgaggactc tgagatccat gncntgagcn gatcttccat 240
caganccggg cctaccgtgg ctatanaatg agaggctngn gggtcncggg ggaagctntg 300
agacagaagt acgantggcc tttngcanaa cttggatatc cggctngaag naagataatc 360
antcccnent tgnacattct gccancncc ctanatgcct taaggtttac anccgtagat 420
tggtntcttt ggtacncaag agcccttggg catcc 455

<210> 896
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 251
<223> n = A,T,C or G

<400> 896
ctgagattac caaagagttg tcagctgttt ccaaggctgc cgtgggaggg ggaggatgga 60
gagatggagg aaatccctgc tgctgtcgca actgggagaa cccacaggcc ttggcagctg 120
ggggctgcag ctggtgacct tggccacagg cactgactgc tccctgtccc ctcaggacct 180
accccatccc cagccacacc actaccgtga ttctccaaa gatccaaaac ttaattaaa 240
aaaaagtctt ntaaaaccga aaaaaaaaaa 270

<210> 897
<211> 308
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 137, 139, 140, 141, 151, 159, 161, 162, 166, 167, 173, 177,
190, 203, 218, 224, 230, 248, 250, 261, 265, 277, 283, 288
<223> n = A,T,C or G

<400> 897
gactggatga ttgtggtctc ctggacggac tgccgagcca ctgaattaca cccatcttct 60
ggccacacta cagaagttgt ctatggagtt gaaatgttta ttgcagtaac ctctgacctt 120
atgtgattta aggaacngnn ntccctgagat nagaactgnt nngccnngaa gancaangag 180
aaaacacggn agcgctgtt gancggttca catttgangt caantccacn cctacccaaa 240
gcacgttngn tgtgcacaga nagannttctg gggggtnatt tgntggangt gttcagtgtg 300

- REPLACEMENT COPY -

tgctaagc

308

<210> 898
<211> 171
<212> DNA
<213> Mus musculus

<400> 898
ctgggtatct agccagcttc caggaccagg tgattggaaa cctcagtgat ttgaactaag 60
agccaacaaa gccttgggtt tgtggcacac tcttcacatt ctttgcacag ctctttttgc 120
tgtaaaaatc tgcactggat ttttaaaaat gaagcaattg aaaaaaaaaa a 171

<210> 899
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 27, 37, 51, 84, 109, 119, 137, 148, 149, 150, 152, 169,
172, 173, 180, 182, 199, 200, 206, 208, 213, 217
<223> n = A,T,C or G

<400> 899
ttagggacat cacataagga cctncancct cagtctngga ctgtacgtct nctaattgtga 60
ggaagaatat tctctgctgg cttntatcct actgacactg ggggttganc tgcctttgnc 120
tgaccattct tttattngct ttatgttnnn tntaaaacaa acttttatnt gnntctggan 180
antataaaat aacaggccnn ggaggnncag cangccttg aatggacatg tgaattattg 240
tcttgcataga atgctctacg gccaccactt 270

<210> 900
<211> 339
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 255, 261, 287
<223> n = A,T,C or G

<400> 900
caccaccccc cagtgcccggt tccacgccct tgcctggacc accaggctcc ccgcgctcct 60
ccggcggaac ccccttgac tcacctctgc acacgcctcg agccagccct acggggaccc 120
caggaacgac gccacctccc agcccaggcg gtggcgctcg gggagccgcc tggagaagtc 180
ggctcaactc catccgcaac agcttctctg gctcccctcg cttcaccggc gcaagatgca 240
aggtcctaac cggcngagga natgtccagt ttgacaccag aatcttntcc ttgagctggc 300
aaaacgctcc tgggttcggg aatttcatct tcttaagaa 339

<210> 901
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 39, 364
<223> n = A,T,C or G

<400> 901
gactgagctg tacggttctg tgaccggngc catctaata naagccagaccg ctgccatcac 60
tgttctgtct gtgccatgtg tgttttaaaa atggaccatc actgcccagtg ggtaataaac 120

- REPLACEMENT COPY -

```

tgcattggat tttccaacta caaattcttc cttcagttct tagcttattc cgttctctac 180
tgcctgtaca ttgctacaac agtcttcagc tacttcatca aatactggag aggggaattg 240
cccagtgttc gctctaagtt ccatgtcctc tttctcctct ttgtggcctg catgtttttt 300
gtcagccttg tgattctctt tggttaccat tgttggcctg tcagcagaaa caaaactacc 360
ttanaggcct tctgcacacc agtatttc                                     387

```

```

<210> 902
<211> 148
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 30, 50, 63, 66, 68, 70, 93, 131
<223> n = A,T,C or G

```

```

<400> 902
ggggaactct caaaaggaac ggacgggaan catggctggt catcatatan tgcactgcct 60
cgnanncnan gaattacggg ctcggtaaac ganatttttg cctctctct tgagtgtatc 120
ttatgggcag nggttggaag aaaaaaaaaa                                     148

```

```

<210> 903
<211> 273
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 17, 226, 232
<223> n = A,T,C or G

```

```

<400> 903
aggactgtgg tgggcanaca tgctaggaag accacaggct gccaccctgg tggacgccct 60
gggaagtggg gagagccaga gatacctggt agtctccgga gatccatcag agggaccgag 120
ttctgttggt gaagcagaag tttccccctc caaaatcatc taattctttt gcctgcttgt 180
ggaagacacg aaagggtcac gtgtgtcttg tttctgtttt gtgtgntttt gngtatgtgt 240
ttaaaagcta tgtaaaaatc tagagaagcg aaa                                     273

```

```

<210> 904
<211> 225
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 34, 40, 41, 48, 50, 54, 56, 58, 96, 97, 105, 117, 118, 135,
145, 152, 154, 156, 163, 164
<223> n = A,T,C or G

```

```

<400> 904
aactgacttt tttcttaagc accattaact cttncggttn nagggttnn ctgnantnca 60
gagccatgca gaatgtgcta agcggcaaa cctganngtc tccantgagt gactgtnnag 120
cgagagcagg atgancctgc tgcantcagg angnangtgg ccnnttgcct ctgccatact 180
gatccggact tctctctgtg tttgtacggc aaaatatcca agcca                                     225

```

```

<210> 905
<211> 133
<212> DNA
<213> Mus musculus

```

```

<400> 905

```

- REPLACEMENT COPY -

```

agtgtctggct ttcctggaac ttgctgtgta aaccaggctc tcttgggaact caggagattt 60
acctgtctcct acaggcatgc accaacatac attgatgtat tttattttaca taaagtttta 120
catattttaca aaa 133

```

```

<210> 906
<211> 177
<212> DNA
<213> Mus musculus

```

```

<400> 906
actgagatga gagactgagg agcaggctgt ggggatctca gccatagtcg ttggcttcat 60
ggttcagca ggatgggtct tagccactt ggagagctat aaaaagagct ccgcagcatg 120
aagttgcaca tccctgagag atttcattaa acatgtccat ctgcctaaaa aaaaaaa 177

```

```

<210> 907
<211> 200
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 20, 25, 34, 67, 140, 149, 151, 165, 168, 175
<223> n = A,T,C or G

```

```

<400> 907
tgaccgtcat tgtcaacatn aagtngatcc tggncactcg gagagcaatc agcgaggcca 60
atgaagnccc agaaccagag caagactatg atgaggccct aggacgtctg gaggccctc 120
ggcgagaggg catcattccn gggacggtnt nctggatgtt ttaantanac tccantagga 180
agcaaagtga aaaaaaaaaa 200

```

```

<210> 908
<211> 301
<212> DNA
<213> Mus musculus

```

```

<400> 908
gactgaggta ttgcctgttg ggggtgtagt gttctggtag accccaaagg gaagagccac 60
ccagttattt gaaaatacca gcagttcatt gttgtctatc atcactggct tctgggcaga 120
cagaacaagc gttgggttgg tggatattcg ttgcacacac ggccaaggat gtacttaact 180
gtaaggacat accgagaaga ttgtgaagat atgagctgtc attctttggc catggatgct 240
tacgggtttac cccctctcag attataaaga gacaaataaa ccccttggaa gcaaaaaaaaa 300
a 301

```

```

<210> 909
<211> 108
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 49, 53, 57, 58
<223> n = A,T,C or G

```

```

<400> 909
ggtaacaatg agagtgcgat agatccatta ataactcatc tgggatatnt gtntcannct 60
tcaagtgtac cacagcgtgg aaacatggtc tggtaacacc actgcttt 108

```

```

<210> 910
<211> 262
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 19, 26, 28, 29, 31, 73, 75, 78, 79, 85, 88, 90, 106, 139,
159, 178, 188, 189, 193, 201, 239, 241
<223> n = A,T,C or G

<400> 910
ttgctcagta gctggagtna cagtcngnng ngagctgcac aacatgagtg ctggagaacg 60
aaactttcag tcntntgnna cagcnggnan tactttccag ccacangagc tgtccctcca 120
gccctgctct gcaagcgtng tttttcacgg ttcacccant gctgtgtgtc attcctgntc 180
tgggcggnnt gantagtgat nccattgcat ggatacatat cacgttattt atttatcanc 240
ntattcatgt tatcaatttg at 262

<210> 911
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 28, 48, 51, 62, 67, 103, 104
<223> n = A,T,C or G

<400> 911
ttagactgag tgctgattat anacctanca acattaagac agaagatntc nggaagggac 60
angaaangaa aatcagaaga ggaagaggat ggtaaactta aanngcccaa gaatttgatc 120
a 121

<210> 912
<211> 225
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 22, 26, 42, 80, 81, 114, 116, 120, 133, 174, 177, 195
<223> n = A,T,C or G

<400> 912
cctagggtta ggattccncg cngacngaag accccagctc tntaggactt ccctgggact 60
ctagcaccag atgggactgn ngagacagcc agtcttctga actgaacaac tacngngatn 120
cttgcccttt cantcaggag acagccactg ttgggctgct ataaccacag cctntangcc 180
actctaataa atccnatata tgtatattca ttgtaaaaaa aaaaa 225

<210> 913
<211> 172
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 47, 48, 56, 59, 74, 83, 97, 98, 99, 110, 115, 117
<223> n = A,T,C or G

<400> 913
attgaacgcg ttttgggaaa accccttgca angggccccg gggacanncg agaggncgna 60
cccgcaaaaa gctngaagag gancggacac ccttacnnng ggagatggtn gcggngntcc 120
cataccataa accacctgcc cattacaagc ctccagcaac acgggcgagc ga 172

<210> 914
<211> 256

```

- REPLACEMENT COPY -

```

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 54, 71, 75, 77, 79, 103, 140, 141, 142, 143, 154, 160, 169,
173, 174, 178, 180, 188, 205, 216, 217, 226
<223> n = A,T,C or G

<400> 914
atgaggagta tggctgtccc attctacatg aggatagggt tgtcgatgag ttanagcatc 60
aaatgcagga nggcngngng attgaggatt accacgggct ganacttgct tccccggcgc 120
tgattcatat agcggttgtn nnncaaaca atcnggtgcn ttgtatacnc canntctnnc 180
gaggggtnat aaggaaaaca agctnctgcg accatnntct gacgtnaggg cttcttcctt 240
aatgtatgga ggagaa 256

<210> 915
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 33, 41, 43, 46, 67, 74, 80, 91, 120, 124, 127, 132, 146
<223> n = A,T,C or G

<400> 915
gggaatttct caattttgct nagaggacat tgnacatgga nanatnggag gagaactaca 60
acaatcnatt attngtgatn cttatcacgt naatgggaca aatgatttat tggtttcacn 120
gttncangat antgactgac tatgantccc ttatgctctg caacatctcc ttcctcattg 180
ccctgtaaata aaagctgagt attttaaaaa aaaaaa 216

<210> 916
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 47, 51, 64, 72, 78, 82, 89, 99, 102, 105, 108, 109, 115,
133, 146, 161, 195
<223> n = A,T,C or G

<400> 916
tcgactatat tgttgtganc ggttcagcca ccaacactac caatgggnaacc natgggaatt 60
tggngccggt ancgaccnac anaaggacna gtgtttcgng cngcntcna tagcngcaga 120
agggcacctt gcncggctac cactgnggat tccatccatc ncagcgcacc tcttaaactg 180
ctgcctagga cagantaata cttgacaata aaagct 216

<210> 917
<211> 227
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 61, 64, 66, 77, 79, 82, 103, 106, 110, 113, 116, 120, 130,
150, 158, 175, 176, 178, 186, 190, 203
<223> n = A,T,C or G

<400> 917

```

- REPLACEMENT COPY -

```
tccagactgg atggagagac tgacagttta acacttggcc aaggccatat acctggtaag 60
nggnanagct gctctgngng antccaaagc cctcactttt tgnatntttn tanaantgan 120
atatgaattt tttcatacaa ggaaaaggan gaataaanct gtggggggcat gaggcnnccc 180
tgggcnaggn ttgctaatac ttnaaccac catgatgaaa aaaaaaa 227
```

<210> 918
 <211> 374
 <212> DNA
 <213> Mus musculus

```
<400> 918
actgaggtcc cggggggtttg ggaggatcag tgcattatgc ccaatggcta ggtctgcagt 60
gagacctgcg agccttaact taaatcggtc tcgaagcctt agcaacagta acccagatat 120
atctgggact cccacatcac cagatgatga agttcgggtc atcattggca gtaaggtaaa 180
ccgaggacat gctatccact tatgagagtt attgaagtat ttgatttatt cttaatttta 240
agatgtattt aagttcaaag taagtatgaa tttttttatt ttacttgagt tagaaaaaag 300
caaaatattc ctattttgtc agtaaatacc ttacacattt ctattaaata tgtttgctgt 360
taaaaaaag cctt 374
```

<210> 919
 <211> 228
 <212> DNA
 <213> Mus musculus

```
<400> 919
gaactgaggg tagaattgac tggacatctg cctgtgaaga atagagatgc tcagaagcat 60
gacggcaggg tctcagcaaa catggtctac tcaccgaaaa agcttgcaga tgctgcgatt 120
actgctagga gagtctccat gtaccttttg gtacttcttg atgctccagt gaaagaccac 180
ggatgggaat ttcccatgac ccctctctta ggaacaaaac aaagactg 228
```

<210> 920
 <211> 123
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 22, 35, 46, 66, 72, 82, 98, 100, 104
 <223> n = A,T,C or G

```
<400> 920
gcctgtcgtc agatgccgcg nnagcggaaa ccganctctg cctagnngag agtcctccgt 60
catcngtgta cnagcaaagc anaacgaaag ggactggncn tgcnccccgg ggtcgtcaaa 120
aca 123
```

<210> 921
 <211> 366
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 65, 79
 <223> n = A,T,C or G

```
<400> 921
agtcttgcta tgcagatctg gccccccngc gtgataattc tcctgcttct gcctcccag 60
ctggnatgcc aggcctgtnc caacacaccc agctttttgtg tgagtccatc acagtgcgca 120
agaccgaaa caggcagctt ctctttgttt gcggttgga tgcttaacgg ccgctggaag 180
tgagtggcca gtggattgtg caaagccgat acagagatac agagcacgcc cttccacctg 240
gcgttcgggc cagagagctc tccagacagc acccgtccca gaatgcgctt gcgcaaaacc 300
```


- REPLACEMENT COPY -

agggatgttt gtccggtttg atcattgctg tgtggcagtg tccaagtga gactgcaaa 360
taaaac 366

<210> 922
<211> 107
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 48
<223> n = A,T,C or G

<400> 922
gactgaggtg gcatccacta gactgagggg gacatccagg taccncngc cagtggagag 60
agttcactta ccgaataaaa ctcaagtga ccccgagaaa aaaaaaa 107

<210> 923
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 186, 203, 237, 297
<223> n = A,T,C or G

<400> 923
tcagagagga cagatgctac ggtgaacccc cgctcattct ttctaaggaa tcccagtgaa 60
aatacatttg aactgggtccc cctgggggat gaggaggagg aggagaaaaa tgaaagcgtc 120
ctgctggagg gtagggcagt ctacttaaat ataagccttc ctctcacac gccgcctcct 180
cccttnatct ccgaggacgc ctncggatat ctgaccagcc cctggctgac gctcttnatg 240
ccctccgtgt acacgattgt gttcattgtc agccttcctc tgaacgtcct ggccatngca 300
agtgttcgtc ttgaggatga aagtcaaga 329

<210> 924
<211> 204
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 162
<223> n = A,T,C or G

<400> 924
ctgaggtttc agtgtttagag agcatcgggg cggagcttgc tgacgattcc cactgcctct 60
gccagccacc tagctgntcc ggagctatca cgtgggtcacc tgcaacctta ctccaagatg 120
atttgccgg aaagggtccc ttcccctgct tcctaaccga gngtcagaaa tagtaaaatc 180
gaaccttgat ctgaaaaaaaa aaaa 204

<210> 925
<211> 120
<212> DNA
<213> Mus musculus

<400> 925
gaactgagat agccagtccc aagaaaaaac aaccacattg tcagactcct tcctcagcag 60
agtgagacgt ccacgttggc gagccgtgag atgccaggac ttggaaggtg atccccctgtg 120

- REPLACEMENT COPY -

<210> 926

<211> 401

<212> DNA

<213> Mus musculus

<400> 926

```
gactgagctc tctggcacag ctggctattc tcattctcaga agaaaggaga agagactttc 60
tgaagatctg gtagagaaga tagaagaaat ttggaataca accaaaaggt acagcaaggg 120
acattttaatt ttgcatgttt atgaattgtg acacttgtgc aaatgtgtgt atggtttgtt 180
cccaaactgt cgccgtagca acaggtcttg gcactggagg ctggtccagc ctactgcttc 240
tttccactcc tgcaccacc ctgcttcagg ggtccctgag cctgtggtca tttctgcctt 300
gggggtccca gctcctaact tgggagcaca cgcgcacgca catacacaca cgtacacaga 360
ctctgttctc atccaacagc agatccacag ccttcgtaag a 401
```

<210> 927

<211> 407

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 285

<223> n = A,T,C or G

<400> 927

```
gactgagaac cagcagagcc cgtggcggac agacagagac atgggtttga tgaatgcaat 60
tgggctgcag cctcggaacc caaccacctc tgtgacatct cagggcaccc agactctggc 120
cctccagttg cagaacgctg aaacacagac tgagagggag gaagaggaac cagggggcagc 180
atcttcaggt cctggtgaag gcgagggctc agaatatggt ggcagtgggg aagatgccct 240
cagcaggatc cagaggctga tggccgaggg tggcatgaca gctgnggtac aacgggaaca 300
gagcaccacc atggcctcca tgggtggcct tggcaacaac atcatcgta gccaccgcat 360
tcaccgcagc tcccaaacag gcacagagtc aggggctgct cgtacct 407
```

<210> 928

<211> 285

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 40, 47, 56, 84, 96, 176, 180, 204, 211, 216, 219, 230, 232, 237, 241, 249, 258, 263

<223> n = A,T,C or G

<400> 928

```
tccaggaggg tgggtccanct ggcaagcact gcagctctan atattanaga tgcgngtgtc 60
tcacgtctcta gtcttctaca caanttaact ctgtgnggca ttgtcctagc tggaaagcct 120
ttttcttttg ttctctgccc taagcagggg tacctctgga gccagagggt cataangtn 180
ttctggaaag gatctagatg aacngagggt ntttancang gggctggaan cnttggnntt 240
nataaaaant tgcctttngt ttnaaagaag gcttggtttc aaagg 285
```

<210> 929

<211> 369

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 258, 341

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 929
accactgtat aaatgggaag cagcttttga ggctacagcg gaatgtgatt ctcttcgtct 60
tgggcctttct gattctctgt ggattcctgt actctcttca tacggctgac cagtggaaag 120
ctctgagtgga cagacctgca gaagtagaga agatgaagca agaagtcctg cctgtcttac 180
cagcgcctta gaaggaaagt gctgaacaag aagggtttgc agacatactc tctcagaagc 240
ggcaaaggca ttttcggngg ggccctcccc atctgcagat taagaccccc caacacagtc 300
tccaaggatg ggatgcagga tgatgctaag gagaagagaa ncagccctgg ggaaggctca 360
gcaaggaaa

```

```

<210> 930
<211> 416
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 221, 282, 352, 357, 386
<223> n = A,T,C or G

```

```

<400> 930
gactgagtca aggtgaagag aatgggattg actgcagcca aggagacaag cctgcggagc 60
ggggcaagcg ggcccgaggg agaggatttg gacgtggcag gggcagaggg acaggaaggt 120
tctccgctca aagcatgggg acattcaatc ctgcagacta ttcagagtcc atgtctacag 180
atggctgtgg gacaaagtgg gcagtttggg aagctgctca naatggtaca gatgagggac 240
cgggattgtg agtgtgtaca cacaagctgt ggagggcaga anactttccg ctagtggatt 300
acaagagtgt actcaggatc tccggcccta atggtttgat caccaatcca gnggaancaa 360
acttttatcc cttaaaacca attacntgaa ataaaaatta tcataagcat taacct 416

```

```

<210> 931
<211> 444
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 417, 420
<223> n = A,T,C or G

```

```

<400> 931
agactgagct gcccaatatg ttcggcgacc ttcggtccac atttattgcc ttgatgattg 60
gatcctacgc ttcctcagca gttaccttcc caggaatcaa gctcatctac gacgtggcgg 120
cctccttcat tggcactccta gtggtctggg ctggctgctc tggcctgggt tttttcaact 180
gtttcttcaa ctggccactc gagcccttcc caggccaga ggacatggac tactcggtga 240
agatcaagtt cagctggcta ggctttgacc acaagatcac agggaagcag ttctacaagc 300
aggtgaccac agtggggcgc ccgctgagcg tgggcagctt tatgcggact gccaaggagc 360
aagccgccct gcaggagggc cacaagccgg ggtggccctt gggggaccct ggagggnaan 420
gccacctgat gctttaacgg gcc

```

```

<210> 932
<211> 174
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 24, 25, 27, 28, 35, 57, 63, 64, 89, 156
<223> n = A,T,C or G

```

```

<400> 932
tccaaaaggg ctggagaact tacnngnga tgagngtgga gcagagtgat caccatnatt 60
gcnaaaccca cgacagttca agatcccang actggttctt gaacagacag atggatgttg 120

```

- REPLACEMENT COPY -

aaggatggga agtacatgcc aggttttttg ccaacnggtc tagacaacag gctg 174

<210> 933
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 61, 73
<223> n = A,T,C or G

<400> 933
ctctacacta gacgggagat gctgccaaagt gccccagacg ggatcaagac tccagtgaca 60
nccataagat tcnctaaagc taagacactg caaaaagaaa aaa 103

<210> 934
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 23, 46, 47, 52, 54, 58, 66, 92, 97, 98, 108, 112, 116,
138, 147
<223> n = A,T,C or G

<400> 934
gggagagtca tggcaagcan gcnccttgga caaggacact acagtngaa cncnttcnac 60
tacaancgga agtcaaggag aactgaaagt gnctccnnga accctganat gnaaanctga 120
gaagagtgtc gcgtgcanaa tgcttcnctg gatgtttttt tcctctattc tcacagacaa 180
ctgg 184

<210> 935
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 207, 236, 237, 241, 248, 249
<223> n = A,T,C or G

<400> 935
tgaggatcag accaggcttc tttgggtctt gtctagagat gtcnacaaa acctcaccaa 60
ccaagaagat caacgggcag aaatgacccc accatcacg tactatccac agagcaagat 120
ctccaagaag gatacttatg acgcagggac agccaccag accacgtgag atgccaggac 180
ttggaaggtg ccaaccaaga agatcancgg gcagaaatga cccaccatc accgtnttat 240
ncacaganna agatctccaa gaaggatact tatgacgcag ggacagccac ccagaccacg 300
tgagatgcca ggacttgga ggtg 324

<210> 936
<211> 127
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 29, 31, 60, 72, 83, 86, 87
<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 936
ttgaaagcct ttggtgatna cgcctccant nctagacggg agatgctgcc aagtgccccn 60
gacgggatca anactccaat ggnagnnata atattccta aagctaagac actgcaaaaa 120
aaaaaga                                     127

<210> 937
<211> 218
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 32, 40, 47, 67, 117
<223> n = A,T,C or G

<400> 937
agactgagga ttggtggaca naactggcag tnccttaccn agcagtncaa cccctttgcc 60
agatttnagc ttccatgtgt gcacatttag aaagtgatgg acagaactca ccagagngat 120
cctcaacctg agacaaccaa cagtgaagtg tggagagcca aactgaccca aggcttgctt 180
agagtaaatg taacttgggg taaatgtaaa aaaaaaaaa 218

<210> 938
<211> 265
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 108, 152, 153, 154, 173, 179, 207
<223> n = A,T,C or G

<400> 938
actgagatct acccagcatg aaggctgtgc ttctctctct gtgcgccttg ggaaccgctg 60
tggaatccc gatgaatggg agccgggttc tgacagctga atcatcanaa accaagctct 120
atcaccttga tcaagcagtt cacgggaaac annnaattta tgacagacgc tangaacct 180
gcctaactca tgtggagcag tcccgtnag tttacacact gtactctgaa attataaata 240
cgggacaaac taacataaaa cagtt                                     265

<210> 939
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 73, 284, 307
<223> n = A,T,C or G

<400> 939
agactgaggt acctgtagga gaccagactg tgggaaacca gaccttcaac agctcccacc 60
ctgagaatca atngaccctt tgttgggagc caagccaccc ctccttcaca caaggctgat 120
cagctgatca tgagaaccaa ctgacccttg tcctggccag acacctgggg ctgtttgggt 180
ggatccagca tccaaagata agccacaaaa tgtttcaagc ctgcactcag catctgcccc 240
agatgttggg ccctctctct gtgctttgat cattccccct cagnccctcc ctatttcctc 300
tactgngtg cttataatca ggctttcagc ttccattaaa gtagaccttg acaacc 356

<210> 940
<211> 124
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 20, 69, 89, 99
<223> n = A,T,C or G

<400> 940
ctcatccatg atcgcatatn atcctcacia cagtaccaga tagtgggggtt tattacgccc 60
aatctccana tgggtggaact gaggttcang ggtaggtna ctgccctgag atcaccaggc 120
aaaa                                           124

<210> 941
<211> 249
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 27, 31, 47, 91, 135, 162, 165
<223> n = A,T,C or G

<400> 941
cctgcctggc tcttgnttgg aagacangga nacttagatc tacttanaga aaaaggcaat 60
tctgaagatc taccatcatc taatcccttc nagtcagggt tgagggccag cagagatgac 120
tggaacccat gctgngggag gagagaacca actcctgccca gntgntctct gacctccaca 180
catgtgccac agcttgtgca agtgtgcact cacctgaata aatgtcattt taaattctaa 240
aaaaaaaaa                                     249

<210> 942
<211> 113
<212> DNA
<213> Mus musculus

<400> 942
gtgttaagtt ttgatccctt tacgggagat gctgccttgt gccccagacg ggatcaagac 60
tccaatgaca accataagat tccccttagc taagacactg caagaaaaaa aaa          113

<210> 943
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 30, 31, 36, 42, 54, 76, 77, 84, 97, 123, 144, 179, 216,
221, 227, 228, 246, 249, 251, 257, 260, 280, 281, 294, 316,
323, 334, 356, 366, 378, 381, 385, 388, 389, 406, 414
<223> n = A,T,C or G

<400> 943
gatggctgat gagtcccagg tgatnagccn ntcgtnccgc angaccacgt tggngttcac 60
cggctctgaa gactcnnatc cggncctaag agcaaangag gatgatgaca ggcgcttgct 120
ganggaacct gactgactta agtnctggac tgcttactga caatgccctg tgtctgtcng 180
attcaatata tttggcaaga gggacccatt ctctgngagt ntggaannac ttccaatgta 240
cccatnttnt ntaccangan gtccattttt atatgaacan nctatgaacc cctntcaatc 300
cacattagct taattnccaa gantaaaaaac agancgaggg gtggccagat ggctcnacca 360
gtagtngaaa aaagtggncn nggtnatnng accgttcttc atgcgnattt tttntgtatg 420
gtggctgcat                                     430

<210> 944
<211> 159
<212> DNA

```

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 38, 44

<223> n = A,T,C or G

<400> 944

aattaaacct	agaagagctt	gggntcaaaa	tgatcattnac	ccgntctgaa	cgccggcgca	60
tcaagttcag	gcaaggcggg	cacccactgg	catcaggtcc	gagtggtcca	ccagaacgtc	120
ttccccaact	tcacggttgt	caacgtcgaa	aaaaaaaa			159

<210> 945

<211> 295

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 40, 45, 57, 98, 99, 109, 134, 140, 154, 161, 167, 178, 180, 181, 191, 193, 207, 238, 239, 243, 249

<223> n = A,T,C or G

<400> 945

agtgtctcac	aggagctcac	catnagcctg	gagaagctgn	aaaangacaa	gagcatncga	60
gggggtcatcc	tcacgtcgga	atgcccgggt	atcttctnng	ctgggctgna	cttgctggag	120
atgtatggcc	ggancccgagn	ccactatgct	gagnactgga	ngaacngca	agagctgnng	180
ntgagactct	ncncgtccaa	catgatntta	gagtcgtcca	tcaatggagc	ctctccannt	240
gnggggtgnc	tcttggtctt	ctgctgtgac	tacagggtta	tggctgacaa	ccccca	295

<210> 946

<211> 261

<212> DNA

<213> Mus musculus

<400> 946

acagactcga	gtagtgtcac	tttgctccat	aaacaagaca	tgaggactat	acccagagta	60
ctctcgtgcc	ttagaagacc	ccagagaagc	agaacgttat	cttgaatggc	tccagcaaaa	120
tctgtgtggg	caactgaaat	gtaagtcggt	tgggtgaatcc	tgctttcatt	agttcagaga	180
tccccataaa	ttggaaagag	aatccagtga	aattggtaaa	ctatttcaat	actttaataa	240
agccctgaat	ttatacaata	g				261

<210> 947

<211> 144

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 113

<223> n = A,T,C or G

<400> 947

tgagggtccag	gtcaaggcct	cgccccgctc	acatagtaga	agcngtgaaa	gatccagtca	60
cagaagaacc	cgtagcaggt	ccagggacag	agacagacgt	aaagtccggg	acnaagagaa	120
aagagaaaag	gagaagaaaa	aaaa				144

<210> 948

<211> 115

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 16, 24, 51
<223> n = A,T,C or G

<400> 948
aaaacacctc cagcanccaa ccangcatct gaccctgagg aaaaagggaa ncctggcagc 60
atcaagaagg ccgaggagga ggaagaaatt gacattgaac ctctaaaaaa aaaaa 115

<210> 949
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 413, 414, 415, 417, 505, 513
<223> n = A,T,C or G

<400> 949
ttagactgac gataaacctt ttggtgagag ccatggcact caaggctccta cctctacaca 60
ggacgggtgct cttcgtgccc attctcttcc tactccacct ggcatgtaaa gtgagttgcg 120
aaaccggaga ttgcaggcag caggaattca aggatcgatc tggaaactgt gtcctctgca 180
aacagtgcgg acctggcatg gagttgtcca aggaatgtgg cttcggctat ggggaggatg 240
cacagtgtgt gccctgcagg ccgcaccggt tcaaggaaga ctgggggtttc cagaagtgta 300
agccatgtgc ggactgtgcg ctggtgaacc gctttcagag ggccaactgc tcacacacca 360
atggatgctg tcttgccggg actgcctgcc aggatatttac ccgaagacca aannntnggt 420
tgttttcaag acaatggagt ggtgcccttg cggagacca ccttcttccc tacgaaacca 480
caatttgga atgtggtgcc aaggnggcag canacctttt aaaaaaaaaa a 531

<210> 950
<211> 241
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 47, 63, 89, 109, 133
<223> n = A,T,C or G

<400> 950
cgtgtgaaga gctatggnga cagaagccca gcatcaactg ttaagcncca gaagggaagg 60
ctnatcgcca tccgggcgct gtctgctcnc accgaggaac ggctgcagnt cagttcctaa 120
gcactaagca tcntatgagc atcttagcag ttttacttca cattctcaca tttgttttga 180
aaaataactg ttcaaattat aactgcagcc atttcagaaa gtggaaaatg ataaatatta 240
a 241

<210> 951
<211> 384
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 33, 37, 41, 67, 97, 100, 103, 105, 106, 124, 133, 148,
152, 160, 174, 180, 184, 187, 190, 193, 194, 211, 214, 219,
223, 226, 238, 248, 263, 311, 312, 324, 328, 333, 337, 349
<223> n = A,T,C or G

<400> 951
gaactgaggc tggactgggg natcatggtg gantgtnttc nggccctgac attgaatagc 60

```


- REPLACEMENT COPY -

```
tactatnttc ataggccatc agcattttgtg aagaaangtn ttngnncact cacgaggacg 120
tgganagagca aanggatgca caggaatntt cngagactgn attttcataa gcanaaaatn 180
attntanccn gannacctat gcatgccctt ntngggggnc tgntgnttgc tcttctgngg 240
gctggaanat cccttctcct ggnactgttc tcaacttctta gatttatatg tgacttgtgt 300
tgcattaaag nnttactgaa ctgngccngg ganggggnaca ggtatcagna ctaccaacaa 360
ccaacgggaa ctgctgctgc tgga 384
```

<210> 952
 <211> 232
 <212> DNA
 <213> Mus musculus

```
<400> 952
caggcattgg aggctccaag ggcccttgta aagacatgtc cattgcgaag tgaccagaag 60
agctaccccg aggactaatc gctaattgctt gggatagaag aggaagacct aagcatgcag 120
acctcccctg ctttctgcct ttctgtcaca gtgtgttcat cataactcaag ggccagcaag 180
atgatccagc ggggtgaaga gggtttcaac cgtgtgcacc tcccccccc cc 232
```

<210> 953
 <211> 136
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 25, 35, 45, 48, 62
 <223> n = A,T,C or G

```
<400> 953
cactgagctc aagactgagt ntgcncaaat cttantaaaa gccantcnta gtacagcttg 60
gngatacaac ccctaaaaac agcacacca ccatgtttta cctcatgaag aaagataagg 120
acaaagatgg cgggcg 136
```

<210> 954
 <211> 409
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 109, 205, 249, 333, 334, 349, 382, 386, 387
 <223> n = A,T,C or G

```
<400> 954
tgagagttgt acccggcgtg gctggccaga ctgtcaaaga cgtaacgcaa agagtcctcc 60
tctaattttt ttctgccggg aatcttgga ccttgtgtg acaaaggcng cctgtgtgac 120
tcctctgtcc aatagacact tctgcgactc ctacgggcag ccggtcgtcc ccgagccaag 180
gacaaagact cgcagcgcg ccaanggatt tatagcgacg tccccaagct gccgagcttg 240
tcaccacng agcctgacag aaatgcggaa tggatctgtt ttaacagaga agaaaaagca 300
ggccagtttt tcgttaacct ccccgaaccg gannaagatc cgaaagttna agcattgttg 360
gggaaaactg gttccccggg cncctgnnttt cgtgaatgaa ataaaaaac 409
```

<210> 955
 <211> 398
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 28, 154, 248, 249, 256, 319
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 955
actgggcccc agaggggagcc agattncntg acacggagac atctgtccag ccaccaaaaag 60
aaggtacaaa atatcacagc acctgctgga attccaactc atgaccttcg ggagaacagt 120
ttgtgtcctt gacgctaagc tacctgttct cagnttttac atttgacctt tgggcatcat 180
ggtgccctga ggggacaaga acaggatagg gaatctgcgc atgctcactc gccggaggcg 240
ggtttaannc gtgtgncaag tatttttctt tttggaagaa atgaagattt tacttaaaact 300
ttataagaga tgagaaatna aaccacggtt tttctgggga gcacgaacgt gccccgcggt 360
ccctggcaaa cttcttcccc gttcttgccg caaaatgg 398

```

```

<210> 956
<211> 660
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 112, 372, 473
<223> n = A,T,C or G

```

```

<400> 956
actggagaac agcagcagag aaaagaaaaag acagagccaa aggccttctg agtcaagcaa 60
agaacggaat gcaccccgca aagaagaccg cagcgccagc agcggggcag anggtgacgt 120
gtcttctgag cgggagccat agatgcggat gcaggagctc agcaaattac cattgggcag 180
aattggatcc tgaaaaatca agatgctaaa gccctacac tgctttaaga atttgggact 240
caaatatgaa aagaaaaatca gaaataagac cctgggaacc tgaatatccc tgcagaaaaa 300
caccaaagga ccatttcatt ttgtgtattg ctgtgggtctg attggggtaa tgggtgctgt 360
gggatgggag antgcttgtg ggttcacacc catgctctcc ccatggagaa ggggccattg 420
gttttcttgc tttctaccat gtcttggtt gcttttggaa caggctggcc tancatcatc 480
tgtcctcatc tgtggtgtac tgtgagtctg tgatccatct ccagcacatg cctgctgtcc 540
actatttcca tcattgaatc acaagacagg gctgggtgta gacaaccaat aataacatat 600
tgtttgaaac tttggcatct tgggtacattt tcctcttcct ttcctaaaaa ataaattaat 660

```

```

<210> 957
<211> 211
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 27, 33, 42, 104, 129, 151, 192, 193
<223> n = A,T,C or G

```

```

<400> 957
actgaccgtt ggaaggagag ttggggntct tcncagatgt gnaccctgaa aggctacccg 60
tgctcctgtc accagagcac aggaaattgg gaggagaatg tggngcaggg gatagaggag 120
ttggaatana gaaaggagaa aatgaagacg ngacctgtt ccaataagac ttcatttaca 180
aattaaaact gnntgaccca tgataaaaaa a 211

```

```

<210> 958
<211> 296
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 105, 107, 111, 112, 114, 123, 124, 126, 127, 131, 148, 155,
158, 160, 185, 196, 208, 209, 213, 219, 227, 256, 261, 268
<223> n = A,T,C or G

```

```

<400> 958

```

- REPLACEMENT COPY -

```
cactgagtg atactgggtg tgggtgctgaa ccccgaggag cctgaactaa acagaatata 60
cactgccctt caaagcctgg aggtccaggg gaggagagat agccnancct nnanaaggcc 120
cannanntgg nggtgacgaa gttgattngg aggcnaancn tgcctctgac actctgctca 180
tatgncctcc tgccgnattc ccaagtcnnt ctntatcctt atgcggncaa gagagatccc 240
cgtccgatga ctctnngtgt nccatggngg ggacactgcc caatgagagg gtccag 296
```

<210> 959
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 43, 45, 48, 49, 59, 72, 81, 93, 118, 120, 126, 129, 135,
 153, 154, 159, 163, 166
 <223> n = A,T,C or G

```
<400> 959
ttcgaacata tcctttcaag caccantatg attctggatt atntngcnnc tgtactttna 60
aagtggcggg ancagaggtt ngaaattaaa gcnttattaa gtacattgaa ccttgganan 120
gcctgnacna cctgngaggc cactccttga aannctgtnc cantgnccct gtcccaccgc 180
caaaaaaata caccacaat aaaaacctga accaaaaaaa aa 222
```

<210> 960
 <211> 248
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 22, 80, 82, 86, 87, 142
 <223> n = A,T,C or G

```
<400> 960
ctctttcttg cgcagngtt gnccgcgttg gtgaccggga gagagtcttg agcggttttg 60
gagaggtttg gcgcatcan cnagcnnccc tgaccctccc actggatcca caaaccagct 120
gctaccacag ggaggtgatc gngctcaggg ggtccaggac ttggaaggga cagatctgaa 180
ccttttcaaa gttgctttct cctccaagcc acaaggcctg gccaccccaa gcaaagaaag 240
gaatggga 248
```

<210> 961
 <211> 208
 <212> DNA
 <213> Mus musculus

```
<400> 961
ctgaggctaa aatgaaatgg tggttctaag tctctgactc tgagagaagg agaatggaag 60
tcaacaactg cccatcaagg gttgattccc cacagagggg aatgggatgg ccaagtctca 120
cctgcatgta cccaagaatc tgtggcacac ggtaaagaga gctgccattt ctctgccacg 180
agaagcagtg acaatggaaa aaaaaaaaa 208
```

<210> 962
 <211> 121
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 77
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 962
aaagaagagt gtgaaacaag aagcaaagat cgggttggaag gagggcaaag aggaaagggg 60
gggatggaag gaaacntgc agccaccaac acaataaaact gtatcctgac caaaaaaaaa 120
a 121

<210> 963
<211> 155
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 58, 74, 76, 83, 123
<223> n = A,T,C or G

<400> 963
ctgaggcgga gtcaggatcg agtgtctgtc nccccaccgc cttcacccca acttcgantt 60
tgccaccaa ctgnanacac ctnaaccccg gtatctggct gagggcactg actgggatct 120
cantgtggac gccggcttga gtccctgcctt ctgtg 155

<210> 964
<211> 150
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 95
<223> n = A,T,C or G

<400> 964
aatgtttacc cttgcggaag ttgcttactt aatgacattc agccaactta ccgaatcctg 60
aagccatggt gggacgtggt tatggattac ctggnagtcg ttatgctgat ggtagccatc 120
tttgcaggga ccatgcaact taccaaagat 150

<210> 965
<211> 304
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 17, 20, 28, 30, 33, 36, 40, 46, 53, 54, 56, 63, 66, 73,
80, 90, 92, 101
<223> n = A,T,C or G

<400> 965
tgccggaacc gaacgnngcn cctctcgan agnagnaagn gctcanctgg tgnntnatct 60
ctncanccga canaggcttn tccctgctgn tnctgttaga naccgtaac tgctcaacat 120
gcacacagta agctaccatg gaggacctcc ctgcccctgt gtggtcacca ggagcagagg 180
acctgccata tccttctcag tcttgggagt ggctgctggg acagtgggtc ccatcccacc 240
tggcttggtt cacctggcct ctgaaactcc aattttctaa agaccaaacc caacaaaaca 300
caaa 304

<210> 966
<211> 107
<212> DNA
<213> Mus musculus

<400> 966
tccaggagcg taatgtccag gtgttctca tctctggtgg ctttcggagc atttgtggac 60

- REPLACEMENT COPY -

accgtgctgc aaagcttcaa tatccccaac aacccaatgt gtttgct

107

<210> 967
<211> 238
<212> DNA
<213> Mus musculus

<400> 967
cgaacctctc tggatacatc gtcaccgcta aaccagagg tgggcctcct aggcccaa 60
ccagtcaact ggacaatgaa gatcacccat cacatatata tttggactta ttccgactat 120
tcctgtgttg tcttttgac tactttcttg gtttatttct ttattgattt gtctgctcca 180
ttgaatcctt ttctctgagt tttgtgtgtt attacaagtt ctgtgcctaaa aaaaaaaa 238

<210> 968
<211> 184
<212> DNA
<213> Mus musculus

<400> 968
ctaagtaatg gtcaagactg aggggacgtg gaacacctgc acaaactgga tttttgcctt 60
atcacgactc tgaggtagca tccggcaact gaagtgtcct ctttccaata gaatgcctgg 120
cctctccac caacttcacg gttcagccgg aatgaaattt ggctaacaag tcaaaagaaa 180
aaaa 184

<210> 969
<211> 144
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 108
<223> n = A,T,C or G

<400> 969
gatctgctct tggaagagtc gaatgttcaa gccagtgtca acgccagtaa cagtgtgtgg 60
tgacatacac ggacaggtaa atttcacaac gaagttttag gacttgnct atcagtgatc 120
cacttgcttc caacttgtgc tgca 144

<210> 970
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 29, 69, 163, 201
<223> n = A,T,C or G

<400> 970
ttaccttgaa cattggncat taatgctcnt tgtgactcat ctcaaaagaa gaactttttg 60
cgcaggtcng actcttctcc agccagaggg aagaatagca tctcccgagc atcctgcttt 120
gtgttctgct gcctttgaag tcagttgggt ggcttttcat cantggaagt gaggaaggag 180
gaattcatcc catcacatca ncacacttta gtgaagcctt tctgaaaacc tgtctttctc 240
cactggtaga cttggattgg gagaagattg ctttcaacgg gtctgccttt ggaaatcatc 300
gtcttctccc taacctgaga aagca 325

<210> 971
<211> 154
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 25, 40, 65, 70
 <223> n = A,T,C or G

<400> 971
 acagcatgac ctgcgctcct ccatnatagg ttatataccn agagctcact tctactacct 60
 gaaanctgan tttggtctca aaatctcaga tgttgccctca ctgattaaag caatcagtgg 120
 cctgaaggtc actgcggtcg gtgaaaaaaaa aaaa 154

<210> 972
 <211> 256
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 38, 50
 <223> n = A,T,C or G

<400> 972
 agactgattc cccagctttt cggctgacct gagcaganag agaggaaggn cgtcagcctt 60
 cacagccatg gccatcagca tcagcaacac catccatcct actgccatca cttcaagatc 120
 tcattcaacc ccaggggagc tctgagggaa tcaaggccct gctctccaga tggaaaaatc 180
 cgggatttca agggactcag gctgggtggg ttagtgacgt catagataaa ccagcactag 240
 accatgaaaa aaaaaa 256

<210> 973
 <211> 130
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 45, 87, 91, 92, 94
 <223> n = A,T,C or G

<400> 973
 gactgaggtg ggcaccctgc agattcctgg cttgnttgta ctctnctccg accgacgcga 60
 ccggagaaag agaaccctgc agtgcantctg nntngatact gaatatcgat acgcgacatt 120
 ttgaaatata 130

<210> 974
 <211> 356
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 146, 154, 187, 210, 223, 284, 325, 334
 <223> n = A,T,C or G

<400> 974
 caactgagac tgaccagcac agagaaagta gctacctacg acagaaaacc tttccggaag 60
 aagttaacta agatcggccc gcctgctccg gagacctcat tcgttccgct gagttccaaa 120
 cccggaggaa gccccaagtc aggacngcca cggncacaca caagaaaccc accaattcca 180
 tgccgntaa gtggcactgc gcctgcgcan gaaggcaggc tgnnggtgga ctccgggctcc 240
 ctgcccggaaa acggaaccgg ctgaaactgc gttccgtggg tcanagtgcg gcggcggctg 300
 gagaccaaga ttcgtggtct agcgnngaaa cttncacca tactgccccg tctcct 356

<210> 975

- REPLACEMENT COPY -

```

<211> 164
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 91, 92, 96, 97, 98, 104, 121, 127
<223> n = A,T,C or G

<400> 975
atctatgagg catgactcat gtctcaatca natctgctta cccccagttc tccatggaat 60
tagatggcgc tgtcactacg attaagcctg nncctnnnat ttgnaatgat cactatgctt 120
naagatntcc atgtcaacaa gatctccatg tcaagatcca agtc 164

<210> 976
<211> 166
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 78
<223> n = A,T,C or G

<400> 976
gactgagaga atggcattcc ctgtggattt gctggataac tgcacgcatg atattttgcct 60
ttcaagcttc attcaatncc actccagcca tactgttaact actttatggg aacaaaatga 120
gctctctttt gcagacttag ggaaatgatt aggaaaataa aaacaa 166

<210> 977
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 36, 45, 60, 69, 70, 150, 207, 304, 312, 326, 338
<223> n = A,T,C or G

<400> 977
agaactgagg ttatgagana gaacagatga tgtttnagag aaaancctcg ctgggcagan 60
tcaggaggnn agtgagaacc atcttcatca accaagcctc agctgacaaa attctgcaac 120
aaccacgtca gtactgcaaa atacaaccgn gatcacattc cttccgaggg tcctctattc 180
tcagttccca aagagcggtc aattcgntct ttctctttat tgccctgctc cagcaaattc 240
ctgatgtgtc gcccgaccgc gtcgttacac aacactgggt cctctcttat ttatttttag 300
ctgnngctgc tnttaaagaa gataantaga agatattnaa cgacacaagg ctgataatgc 360
tgtgaacaag aaacagaccc cagggttttga gaaatggggc ctgggggaaat tgggtcactgg 420
ggaaaa 426

<210> 978
<211> 292
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 220, 229, 233, 265
<223> n = A,T,C or G

<400> 978
tcggtacaac agaactgcnc gctaagctgc cgacgcttac gtcctgttc cgaggtgtct 60

```

- REPLACEMENT COPY -

```

caagaactga gccgacggga cgggacggga cgggacctcc acagccaaga ctcaactggcc 120
tcacagaagg tctactgaca ttgacttcat tggtagcacc tcactactaa caaacactat 180
tgtccttgaa attaaaatca gcgtcagcag ctctgatctn cgttttcana canaagagaa 240
atctgttttt cagttaaaat ttgtncaaaa gtcacaccct gaagttttct tt 292

```

```

<210> 979
<211> 293
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 262
<223> n = A,T,C or G

```

```

<400> 979
acttgatgt aaagtctccc ctacagtggc cggttctgga gaaaagccca taacgttctt 60
gtgtactgtg taacttgatg gtacgtgttt gttagctccg aggcaccact tgttcaattg 120
cactgcccta agttttggtc cacatgggtt gctaaaagta atgagatgct atataggagc 180
actaagtgtg tttcctgtgg ccactgcat tatgggtcag gatccctctc gggggaaatg 240
ttctgcaagg caatgttaat gntggcatga atggaaaaca ggatttacgt gtc 293

```

```

<210> 980
<211> 400
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 21
<223> n = A,T,C or G

```

```

<400> 980
actgaggtgg tggacccaga ntgagtatat tcccaataca tctcgggagg ccagaatgaa 60
gcagggtccc aagaaatcca agatagtctt cagaggaatc gggcctccaa gcgggtgcca 120
aaggaaaaag gaggagagtg gtgtcctgga aattctaact tcacctagg agtccacatt 180
tgcagcctgg gcaaggattg ccatgagagc agctcagtca atgtctaaga atcgatgtcc 240
tcttccgtct aatgtggagg cctttctgcc acaagccact ggatccagat ggtgtgttgt 300
ccatggcagg cagctccctg cagataagaa aggttgggtt cgctgcaat ttcttgctgg 360
acagacctgg gttccagaca ctcccaaaag gatgaatttt 400

```

```

<210> 981
<211> 395
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 23, 37, 38, 44, 53, 57, 63, 65, 70, 101, 104, 132, 143, 174,
179, 356
<223> n = A,T,C or G

```

```

<400> 981
aactgagac aacataatgc tgntggatac tcggctnnac cctnatgctt acnccctngt 60
aananatggn ttctgctacc tggatcccaa acccagtgc ncanaggcaa gaactgttgc 120
cacttgctga ancaagatgg aantatttgt ggacatggct gagcttcgac tctnacttna 180
gtgaccgctg cttcgtctgt gttgaaggag cactgggaag tactcaagg agtagtgaag 240
gctagacttc ctaagtaaaa caagctgaaa acgacaacta cctgccatct aagaagaaag 300
cctgctggcc ctactcttg actcagctcc tgtttccagt cagcatggag ggatcnaggt 360
gggaggtggg gtgatggtgt ctgctctgtt ctaaaa 395

```


- REPLACEMENT COPY -

<210> 982
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 982
 tccagggatc cagcaccatc ttctggcctc cacaggcacc gggcacacac gggtacacat 60
 gacattctta caaccggaat acccatacat gtaaaatata atttctaaaa ttaaagat 118

<210> 983
 <211> 260
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 983
 ctgagaaagc ggtggagaaa gaactggatg ctcttttggg acagcagAAC accattgaaa 60
 gtaagatggt cactctccac aggatggggg gagtatgtac cacagcaaaa gttgtacatt 120
 ccagtaggac cacaggataa agttagtttt cctagcccca tagtccagtc tcttgggaaag 180
 ctaaggtggg aagcttgctg caaagttcga ggccagcctt gggttatagag caaggnactg 240
 tcacaagaaa ggaaaaaaaaa 260

<210> 984
 <211> 326
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 30, 42, 43, 44, 45, 55, 56, 60, 68, 73, 78, 80, 81, 82,
 87, 88, 89, 101, 110, 112, 113, 140, 144
 <223> n = A,T,C or G

<400> 984
 actgagcctt tgaccttcag ttctgngttn ggccaggtat tnnnntgtct ctganngtgn 60
 cccaccanag aanagagntn nntaacnnnt gccttcctga ngataaaaaa gnnccaaaag 120
 ctggattttg ggcaaggggn cctntgggac ctaaaacaca ttgtaggcat cctgtgcagc 180
 tacagccagc aggggctgga acctgtagca cctgagtaag gcaaatggac aacggaggag 240
 ccgcagcagg tcacaccagg aaccgacgag gtctgtttga attccccctg ggaaataaaa 300
 catccagtca acttcaaaaa aaaaaa 326

<210> 985
 <211> 387
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 32, 53, 67, 70, 78, 83, 87, 101, 111, 115, 120, 123,
 124, 127, 180, 230, 233, 289, 295, 330, 333, 366
 <223> n = A,T,C or G

<400> 985
 attgcggctt atgacaaacn cgtacctaaa gnaaagtgat gacaatgatg cangacctat 60
 atgatcngcn tggacgantg ccngggnaat ctttgatgca ntttcttaaa nggtnacacn 120
 ttntctnttg gcttcgatga ggctgagctt ctggcaaagc ttgaggaatt ggagcaggan 180
 gaattaaata agaagatgac aagcctggag cttccaaatg tgccgtcctn gtnccctcca 240

- REPLACEMENT COPY -

```
gcacagccca gtaggaaagc cagcatgccc tcctccgtgc accggtctng aacangcatc 300
ttccaggagg gcacaggaag atgatgactn canacaacta gcacttgggc cctttaaaag 360
ctacantggg aaacacttga cacctaa 387
```

```
<210> 986
<211> 542
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 521
<223> n = A,T,C or G
```

```
<400> 986
tgagataaac gtgtagcata ctggccgctg atgcagtctc catggccaac gataagcata 60
agcacgctct atctcctgtt cgtgtggctg ggtccaaagt ggatgaaaga ccgcgagccg 120
ttccaaatgc gcttagtact cataatctat aattttggca tggttttgct taaccttttc 180
atcttcagag agctattcat gggatcatac aacgcaggat acagctatat ttgccagtca 240
gtggattatt ctaatgatgt taatgaagtc aggatagctg gcgccctgtg gtggattttt 300
gtatcgaaag gcgttgagta tttggacaca gtgtttttta tcctgaggaa gaaaaacaac 360
caagtctcct tccttcacgt gtaccaccac tgcaccatgt tcaactctgt gtggatttga 420
atcaagtggg tggctggagg ccaagcgttt ttccggggcc cagatgaact ctttcatcca 480
tgtgatcatg tactcctact atgggctgac tgcgttcgag nccctggatc caaaaatatc 540
tt 542
```

```
<210> 987
<211> 293
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 17, 34, 35, 42
<223> n = A,T,C or G
```

```
<400> 987
attggtacga ctccatngag aatgcaagac cctnnccctg cngtgcagtt ctcaaactta 60
ccccggattg acttcagtag catagctgtg cctggcacgt caaaccacca acagcgccag 120
ctgcccagaa cccaggctca gcaactcatc cctggggaaa tggcatcttc tcctcaaggc 180
ctagacaacc cagccctgct ccgagacatg ctgctggcca acccgcatga gttgtccttg 240
ctgaaggagc gcaaccacc cttggcgga gttctgtctc aattggaaaa tcg 293
```

```
<210> 988
<211> 397
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 38, 50, 54, 66, 90, 100, 121, 132, 135, 167, 175, 179, 191,
206, 214, 377
<223> n = A,T,C or G
```

```
<400> 988
gaactgagag ctttccctggg caccgcctcc ctgctccnaa caccacctgn gatnccaaag 60
caacantctt acctccctgg gtgattgagn caccctgcan gcagcatgtg ctgctgatga 120
nagctcggga tngcnatcat gaatggctct ggattccaaa cctgccntgt gtcantctng 180
tatcaccgac nacgacaaca caaaangttt ctgncttgc tttgtcatct gtaagatgac 240
gttcacaaca gcacagtccc agcgctacca cggccccaac agagtcagct gtactcaaga 300
cagaggaaga cgccatgatg tcaactgtac tgatggatac ctaggaatct aagatgaggg 360
```

- REPLACEMENT COPY -

ctggggagat ggctcangtg gcaaagtctt gcaaaca

397

<210> 989
<211> 140
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 43
<223> n = A,T,C or G

<400> 989
caaactcggg agtgttgagg ctttgcgtag atgtctgaga tangggcctg gctccacccc 60
aggaaggag gccaacgtca ctaacactgt atgtgcaaat gtccgcaata aaacactttc 120
caactttgta aaaaaaaaaa 140

<210> 990
<211> 111
<212> DNA
<213> Mus musculus

<400> 990
cagagcctgc taggcctctt ccctcccaaa acagccaacc caaaagaag gaaggacgat 60
tcagcatgct caaccaaadc ttctgcaaaa ataagaagaa aagcaaaaaa a 111

<210> 991
<211> 107
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 34, 44, 81
<223> n = A,T,C or G

<400> 991
ccctgggggtg ttggaaccga tcatgtgaac ncanggggtgg attnaagccc tggtgaagcgg 60
gtttgagggga tgactcagga nccaggagaa ctatttgggg ggagatt 107

<210> 992
<211> 184
<212> DNA
<213> Mus musculus

<400> 992
aatggacaca gttttgtgca tatggaacat gaaaaggctg ttttactact gaagagcttc 60
cagaacacag tagacctagt tattcaacag tgagctcact gtctaaatgt tttttataaa 120
tagtgaagat atgtcaggcc agaactaatg tttaaaaata aatttatata tagaaacaaa 180
aaaa 184

<210> 993
<211> 162
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 124
<223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 993
gactgaggtt tctgaacttg ttcattggctg gattttttaa aaatatattc aagatttcct 60
gttaccgaaa tgtaagttag aagataaaaa cctctattgg ttcattccat tttattctat 120
tggnggatta aagtattgaa ttttttagtga ttaaaaaaaaa aa 162

<210> 994
<211> 243
<212> DNA
<213> Mus musculus

<400> 994
aagtggatcc acacctacac tactgtgtag gctgacacct ggatggatgg tatatgaatg 60
ctatgaatca gagtcaccta gctaggccaa tcccagaacc cgcaccgtct aaaaccacag 120
atgtttgttt tgtcttgaga ctgtgtaact caatttgtga attggtgctt agttcccttg 180
ccccttgagc ctcacacagg ctcgaactta atgcatgcag cagcatgcct gatatactca 240
tta 243

<210> 995
<211> 145
<212> DNA
<213> Mus musculus

<400> 995
ctggggttga aattgaacac aatacttggc tgtaccttca gccctagacc cggcttcaga 60
ctccggctcc gcgattcatc agccttgtga ccttgcacaa atcatttgcc tttatgaaat 120
aagtctcaca tctgaaaaaa aaaaa 145

<210> 996
<211> 199
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 28, 29, 45, 51, 80, 94, 107, 110, 121, 122, 127, 133,
145
<223> n = A,T,C or G

<400> 996
tgacaactga gatatggaga nctgacannt ggggacattg ggggncacgc ngagctacgg 60
atacaatagt aatgtattcn ttcaagcctt tcancagaaa acaccngngn tggctgtgca 120
nngctgnctc tgntctgaat cgaanggata atggctactt cctgattaaa gccggtccac 180
cgtaagcaga aaaaaaaaa 199

<210> 997
<211> 237
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 138, 149, 172, 209
<223> n = A,T,C or G

<400> 997
ggggattgca ctggatcact tttgggggata tcatcactgg actggtttga cccactggct 60
gccaaagtga ctgctgctgc tgctgataca tgctgggtgtt gttctagtgg actgctgctg 120
ctgctgatac atgctggngt tgttctagng gactggattg ctgacgatga anattggaat 180
aaccceaaag aactatttat aaacaggtnt acaacctgtt tcctattaaa aaaaaa 237

<210> 998

- REPLACEMENT COPY -

<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 231, 295, 327, 345, 355, 394, 402
<223> n = A,T,C or G

<400> 998
gactgagatg aagacatgca tttctggtgt ccctcactgc aggaggtcaa agaggtgttc 60
aagcaagcct gggagcctac aaccccgccc tgtacccaca ggggcccttc cagcacagcg 120
caaggggtgct tgagagtgag gccagcctgg attcacagga tcctccccag gaagtggcct 180
tggacattaa gttgaactac atctacaagt tcctgaccct gtgtctccta ntccggccag 240
tgtcctacac ggatgccagc atcttgatc tgatggagct gctgtgccgc gcaangcctg 300
gatgtaaggt tgtgcctgct gcccaanact gacctccagc aactnctgct cctgntgctg 360
gagagaatcc aacaatggcc tggaaaagct tcanccttt tnttgggcct taacttgggg 420
ggtgcgacca ccaccacaac 440

<210> 999
<211> 237
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 102, 107, 189
<223> n = A,T,C or G

<400> 999
ctgtagctgg tcattacatc tcccctttcc cgacattcct ctgaaggcgg actgtaaaga 60
ggaacatgaa attcttgagc cattccatcc agtgcgttga anttttnaaa aggcttgctc 120
ctgttctctc tcaccacaac ctgaatatct tctgagtttt atgggatttt ctgtgacagt 180
gaagtttang ttaagatggt aacactgtta ttaaaatagc tattacacaa aaaaaaa 237

<210> 1000
<211> 189
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 40, 170
<223> n = A,T,C or G

<400> 1000
gactgagaca acacctgagg tgaaaactan acccagaagn gcgggctgct gcgtctcgaa 60
gtcagccata acaagcatct ggcttgattt tggggagggg acgattctcg attcttcggt 120
caactctttg gagctccctc ctcaagcaaa ataaaccaat aggaatgagn gtttatttaa 180
aaaaaaaaa 189

<210> 1001
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 44, 50, 79, 90, 93, 110, 137, 183, 192, 202, 203, 206,
210, 214, 220, 221, 223, 241, 259, 264, 272, 278, 279, 281,
288, 294, 304, 307, 312, 316, 318, 329

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1001
gcccattttaa gacactngtg agccctgggtg aaatcgaccg aacnctagan atgttgacat 60
ccaaagaaca ctgacgccng aacaaaggan aanagtgcct gcgatctttn aacctgtgtg 120
acgccaaaat tccgacncgt ccaccggcct gtgaagtgcg cttgcgcgaa ctggggctacc 180
cantaaaact gngttggacc annggntcan agntaaaaan nantgactac tctttgcgaa 240
nggctgagtt cagatcccng caancacatg gnggcttnna ncattcgnaa cganaacctt 300
tacnctnttc tnaggngnct gggaacagnt tcactggact tacctata 348
```

<210> 1002

<211> 263

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 203, 208, 209, 214, 220, 223

<223> n = A,T,C or G

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<400> 1002
cagactgaga attttcnatt tgtccctgaa cgaacgctgc ctttctgcat cgttgggttg 60
caagtactgg cgtgaccttt gcttagattt ccagtttttg aagcagctgg accttagtag 120
tcgtcagcag gttactgatg aattattgga aaaaattgcc tccagaagtc agaataaat 180
tgagattaac atttctgatt ggngaaannt gacnaacagn ggnggggggtg tgctaacatg 240
gaaaagtcct ggacttctta agt 263
```

<210> 1003

<211> 251

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 41, 49, 72, 74, 76, 83, 84, 85, 89, 104, 111, 121, 123, 155, 172, 175, 189

<223> n = A,T,C or G

```
<400> 1003
ttgaaacact gaggtggaat ganccttact tgttgactgg ntgctgatng gattcacttg 60
aaaactaacc tnananaacc tgnnngagng gaccagggct ttgnctcaag nagcagacgg 120
ncnctgtca ctcttctctc agcttctcga taccnccgcc gaaggctctc anggnctcga 180
gatgaacgnt atcggtcaga tgttcataca gaagctggcc aggcagctct tgctaaacac 240
aaagaaaaaa a 251
```

<210> 1004

<211> 326

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 38, 103, 110, 117, 125, 127, 139, 147, 165, 176, 178, 181, 183, 188, 192, 215, 218, 247, 263, 273, 292, 296

<223> n = A,T,C or G

```
<400> 1004
atttggtcgg cctgaaattt gctgctgtag accaagtngg cttcgtatta agagtaagag 60
acctttctac ttctgtctat ggagtgtggt gattaaaagaa ganctgaccn tacacantaa 120
ccagnengag aaaagcctna aacaagngag ggtaaagcag tctanccac ggctgnanaa 180
nanagctnag angtcaaaaag cacctgctga tcttncanat gaccagagtc cagttcccag 240
```

- REPLACEMENT COPY -

```
catccanatc aggcttctta tancaggctg tancttcaac tatggaggga anccancatc 300
atgtttttggc ctccacaggc atgcac 326
```

```
<210> 1005
<211> 485
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 25, 31, 42, 58, 199, 206, 214, 215, 216, 227, 241, 250, 269,
270, 272, 349, 364, 368, 414, 420, 436, 450, 456, 467
<223> n = A,T,C or G
```

```
<400> 1005
tcctgctacc tatatccctg ctgcngtacc ngaggtagct tntggaggag ctgcagangt 60
agtccagtgt gctaccgaac tgagcttcac agaactgggc cttgggttctt acaccccggg 120
gggtctcatc cagaacctct tggaatatat tcatgtcgac ctgggcctgc cgtggtgggg 180
agccattgcc acagtgtant aggacntcct gggnnngggg ggaaganttg gggacaaaag 240
ngcagaggtn agaaaaccag gtgattcann angggatggg aacattcaac ttttatttcc 300
tagagagtgt tagaaagcca cttatctgcc cgcagtgtt gggagggtana ggaaggaggg 360
tcancgtnc aaccttaagta attaaagaat tcaaggctag cctcatacct taanactgn 420
tctggggggc atgaanacat gccatgaten aagcantcct ataaatnaag gaaagcctat 480
ttact 485
```

```
<210> 1006
<211> 368
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 290, 300, 301, 304, 306, 314, 315, 318, 321, 323, 324, 326,
327, 331, 335, 336, 337, 338, 339, 345, 346, 352
<223> n = A,T,C or G
```

```
<400> 1006
tgagtgcact tccagatgca aaatcgagag cccttgacaa tattggcaga gtttttgcca 60
gagttgggaa attccagcaa gccattgaca cgtggggagga gaagatccct ctagccaaaa 120
ccaccctgga gaagacctgg ctcttccacg agattggccg ctgttacttg gagctggacc 180
aggcgtggca ggcccagagt tatggggaaa agtctcagca gtacgctgag gaggaagggg 240
acctcgagtg gcagctgaac gccagtgtcc tgggtggcgca ggccaaggn aaggtggggg 300
nctnanactc ccannccnaa ngmntnnaca nagnnnnnnt gagannccat tnttaccata 360
acttggag 368
```

```
<210> 1007
<211> 309
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 68, 69, 77, 80, 81, 83, 84, 85, 86, 91, 97, 99, 104, 117,
263, 268
<223> n = A,T,C or G
```

```
<400> 1007
gcttgcttc aaagatgctg ctgcaaaatt gaagaggacc attgaacacc ttaaaaaagg 60
caaagccnng cttcaantcn ntntnnntgca nacatgnang aaantaaact ggctagncta 120
gctggccaac ctttgtcacc acctcaacag ctctagcatt taagtgttaa tttctcccag 180
caacaggaca caaaagtaat tgagaatggc catgaacttc tcctcctcct gccttcaact 240
```

- REPLACEMENT COPY -

tccagggtgat acggattcta ggngtgcntc acaccctctg gctaataaat gagtttcctt 300
taattttaa 309

<210> 1008
<211> 115
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 65, 89, 95, 97, 98
<223> n = A,T,C or G

<400> 1008
ccatctggac cgtacgagaa ggagacagca gagaggncac cagacatccc caacaggggc 60
agctnccagg cagagagccc ggctgtgant gccangnngc atgccatcgc tgcca 115

<210> 1009
<211> 132
<212> DNA
<213> Mus musculus

<400> 1009
cctgaggttg atcgtgtcct gagctgaaga tgttcccaga acacgcagaa agaggtaacg 60
atgctaccca ttcgtttatg gagagtctgg gctgaaaatc tgaaaataaa taataatcca 120
cagaaaaaaaa aa 132

<210> 1010
<211> 135
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 29, 43, 63
<223> n = A,T,C or G

<400> 1010
agctgcaaac aagcggangg actgtgcang gggccgaggt cgntctttct cctgcctttg 60
canctcaggg cttttcttct gtctctgtgg gaatgtttga atttccaatt aaaattggct 120
ttattaaaaa aaaaa 135

<210> 1011
<211> 178
<212> DNA
<213> Mus musculus

<400> 1011
tctagtgttc cagaaccgcc agacaatgaa agaaaagcaa gtttatcatg tttccaaaat 60
caaagagcaa tacaggaata tattgattta tcatctgata ctgaagatgt ttctccaaat 120
tgttccagta cagttcaaga gaaaaaattc agcaaagaca cagtgattat agtgtaag 178

<210> 1012
<211> 260
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 35, 42, 49, 83, 142, 157, 159
<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1012
gaagagagga aacatngctc acgggcttca tctgnccaac tntagaagnt tattttcatc 60
atccatccat tgggtgccata cancttccaa ggctgtgaac tgccttggca ccaacatgaa 120
gatcatttgg gtaagactgt gnagaggact gattatntnt taattgaggt aagaatagat 180
gaccaaaaat accctatcaa ccatttaaat gtacatctca ggagcattaa ttatgttcat 240
tttgctgtac aaaaaaaaaa 260

<210> 1013
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 36, 149, 156
<223> n = A,T,C or G

<400> 1013
cttctgggac ctgtattgtg cggcaccana ccgcanggag gcctgtgaac actccagtga 60
ggccaaagtc ttccaggact atgtgagtct ccaggattct ggaacctgga ccgcttcttt 120
ttgctttgtt tgtatgtttt gagactggnt ctttgnnggc ttggatgtcc caggaa 176

<210> 1014
<211> 247
<212> DNA
<213> Mus musculus

<400> 1014
ttgacaccac tgaggcagac atgttggcta tttggcgatg agaagtttga agaactgaca 60
tcatactggg ttagaacact atgggacctg acatttgcgc tgcttgggca gccagtggcc 120
attggtactg ctaagaagcc ctactctac tgcagaacac taatctgatc ttggaagtgg 180
ctgattgtgg caggatgttt cgaagatgat gatggcaaga aagcaagatg tccgcataaa 240
aaaaaaa 247

<210> 1015
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 368, 432
<223> n = A,T,C or G

<400> 1015
atcacccctca gtgtccttgt gattgccttg ctcacttgct gtgtgactgc ttatcccaat 60
ggcaaaagtac caatgtcctg tgggtgggatg atccccaac ataaccacag cccacagtct 120
gagcctattc accaaatcac agtgagtcag acgacgttca aacctggaga ccagatcgaa 180
gttactttat caggaccacc atttagaggc tttcttttgg aagctcgtga tgctgagaat 240
ttgagcggcc ctccatttgg ctcccttact ctgattgaca gcgaagagtc acagcttctg 300
acctgtaccg atgtacaggg attagctgtg agtcatacaa ggtcatccaa gaagacagaa 360
attaaaagnt actgggatgc tccaagccct gcccagatc acatacgatt tctagctaca 420
agttgttcag anattaaaaa ctacctgggg tgaagattcc gagtcctcgt cctctgctca 480
ctggggcctg att 493

<210> 1016
<211> 333
<212> DNA
<213> Mus musculus

<400> 1016

```

- REPLACEMENT COPY -

```
actgaggctt tactgtgaag gccaaagctgg tatggactta ctccgaagca ctcgctcagt 60
tcaagctctt gcttctcctg cctcagcctt aacaagtgct atgctgacaa ccagacccta 120
ttaccacaag cttgaagaat caaggaaatt aagtacaaca gttttccctt acaggaaaac 180
atccaagact cacagcagag gactcctaac tataacagca ccaactgcta caaactactgc 240
ttttcctata tggtctgcag catggccaca gaggagaggg agctttttaca gtcttggcca 300
gcctggaact cactatgtaa atcaggctgg tct 333
```

<210> 1017
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 41, 159
<223> n = A,T,C or G

```
<400> 1017
gattcacatc tgaatgcgct gcngggatcc aggaatatct ngctaggatg taacaaagct 60
aaaaatcccg ccagaaccaa aactgggcca cagcttaacc tgcattccagg tcggagacac 120
aaggactgga aactggcttc actcgataca ctggcctanc tccagggtct tcatggattc 180
ctccagcttc agcactcctg cgtgagaaaac accaaacagg attaagtgtc atggaacagg 240
aggaaggccg catgattcac cagctcttta agcatgtttt tgtggacctc taattagaac 300
cagggtctcca ctggaaaaaa aaaaa 325
```

<210> 1018
<211> 220
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 93, 114, 116, 186, 197
<223> n = A,T,C or G

```
<400> 1018
gtttgatctc ctggaaacat gaatcacaga aaggtgtgag ctgccattcg ggtcccagga 60
actacagcca ggtcctctga aagagcagcc agngctctta accccaacca tctntncagc 120
ctgagaagtg cgtgttctta tcatgagaag acaaacaagc aagtggagtt gcaaagctgc 180
ctcaantggg taaaggnact tgctgccaag gcttgcaagc 220
```

<210> 1019
<211> 199
<212> DNA
<213> Mus musculus

```
<400> 1019
aactgagatg tgcaacggag gaagagccca gtgtgtgggt tcgtagacct ctctgcaggg 60
gtctgaagca gatgagcacc ggaaacctga ggctgtcatc ctggagggta attactggaa 120
gcggcgcatc gaggtggtga tgcgcgaata ccacaagtgg agaattctact acaaaaagcg 180
gctccgtaag tccagcagg 199
```

<210> 1020
<211> 271
<212> DNA
<213> Mus musculus

```
<400> 1020
ccccatcaca gtttccttct gccaaacctt taaatctaac tgatgaatcc atgtttccca 60
ttggaacata tttgttgtat gaatgtctcc caggatatat caagaggcag ttctctatca 120
cctgcaaaca agactcaacc tggacgagtg ctgaagataa gtgtatacga aaacaatgta 180
```

- REPLACEMENT COPY -

```
aaactccttc agatcctgag aatggcttgg tacatgtaca cacaggcatt cagtttggat 240
cccgatttaa ttatacttgt aatcaagggt g 271
```

```
<210> 1021
<211> 247
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 23, 29, 43, 51, 57, 69, 72, 76, 88
<223> n = A,T,C or G
```

```
<400> 1021
ttactaatga cgccccagtc tgnacttgna cttaccacac tcntactgca ncctacngaa 60
tgctgggant gnaagnccct ggccctgnct ttgtctgctt tttgttgact gagttgactt 120
aggcgtttac tccacagcag aagtgtggag attggggaca ataagtggaa ggcccctaag 180
atggagctca gcttgtcaga cttggcagcc atcactttgg cctgctgaac catctcacca 240
gccactt 247
```

```
<210> 1022
<211> 203
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 20, 23, 24, 39, 44, 52, 55, 56, 74, 76, 86, 96, 98, 105,
109, 111
<223> n = A,T,C or G
```

```
<400> 1022
ctccgatgga ccaacgtggn cannatggat ctgtccaana aggncaaact gntgnncatt 60
gcagggaccc tccnctact tgctgnaacc tgaggngang ctggntatnt nggtggtagc 120
cgtaacatc actactgact tcttcaaccc actgtatgct ggaaccaagt atgaactggg 180
ccccgccctc tacttgggct gga 203
```

```
<210> 1023
<211> 283
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 23, 32, 33, 49
<223> n = A,T,C or G
```

```
<400> 1023
acataagaca tctgggctcg cgngctaact gnnagcacgc aaaacgccnc tgacagattg 60
cattcgctgt aggaaactcg tccggcgtgc agctgaggaa agaaacacct tcgaaagaag 120
gatatctcca aagaccaggc tcccgcggcc tgagtcgcag acagtgatgc caggagggag 180
gcaaaggaac ttggaagcag cggatcccga cacaggcgcg gcaccgggag cagccccatc 240
attaccagc ggctccttca ccagctcctt ctccaagaaa acg 283
```

```
<210> 1024
<211> 157
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
```

- REPLACEMENT COPY -

<222> 24, 28, 31, 44, 47, 58, 97, 102, 107, 117, 130
 <223> n = A,T,C or G

<400> 1024
 atcccatctt tgtgccccac acanagcnca nttttgagggc cagnttnccc caagctgngg 60
 atgggtgtgg catgcctgac aatcaaaggg caaggggctg angggancct ataaagngac 120
 ttgggagaan ccacacacct gacttggagg attctgg 157

<210> 1025
 <211> 171
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 42, 50, 72, 78, 81, 84, 94, 99, 100, 105, 109, 114, 119,
 136
 <223> n = A,T,C or G

<400> 1025
 gactgagacc tctccagcat caaccaaacc cgactcgagn tncacttctn tggtaaaatg 60
 gccatgcggc anggaggncc ngcntaccgg cttnatgttn ttccnacanc tccnccacna 120
 tgccaccag accatnaata taagagatat tgtgcttgga ccatatgaca c 171

<210> 1026
 <211> 202
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 32, 42, 44, 50, 55, 59, 60, 74, 76, 95, 96, 114, 175,
 179
 <223> n = A,T,C or G

<400> 1026
 ataacgaaaa ctgtgggttga gaatatattgc nngaaagata gngntgaatn atgtnaccnn 60
 gacctggctc catncntaga cactggcact actgnngagg accgcctgaa gatngatgtg 120
 atcgactggc tcgtagtttg acccggccaa gatagcagga agccctgagg cgaangcanc 180
 gccatcatga ggaagttctt ac 202

<210> 1027
 <211> 249
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 65, 111, 132, 133, 136, 154, 172, 181, 209, 221, 224
 <223> n = A,T,C or G

<400> 1027
 agactaagct ggattcctga ctgaccagg aggctgcatg catgctgtct agagcctcgc 60
 tcagnacagt gctggcctca tccccacacc agccatcgtc actctaattgt ntctccttc 120
 cagaaccaca gnnttntcat ctaggcaaga atgngacaac actcagcctc gngaaaatct 180
 ntgggtgctt atggacctgt cacacaaang ggaatgagtg ntgnttgata gtacttgtat 240
 ctcaacaat 249

<210> 1028
 <211> 101
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 53

<223> n = A,T,C or G

<400> 1028

tcaactcctg ctacacagtc cttctattac ctctgagcta aaggatacct tgnttcacaa 60
ataaaaagga tagccaagga aggcaaatat aaaataaaaa a 101

<210> 1029

<211> 262

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 124, 128, 131, 136, 148, 151, 160, 166, 167, 175, 208, 229,
237, 242

<223> n = A,T,C or G

<400> 1029

gactgaggggt gctgaacagt ccaaaatgat ccagggtgat gcagttcaaa tccttgcccc 60
agtgaggggaa tccctagggga agtgggtgat gggactagag tagatccact tcctccagtt 120
catnccgcnct ntaaanaaat cacggagncc naggcacaan aagagnnagc tagcngcttg 180
cttaaataatt tcagcgatgt taggcgtnta tcttcacaag acccaccgna aggaaangag 240
cnggctttgt tttcatgatg at 262

<210> 1030

<211> 109

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 45, 69

<223> n = A,T,C or G

<400> 1030

gggactaagc cgaccttgaa tggattcgac tgactactac caagnggaac cgatcatgct 60
agcctttgna cacaaagaat aaaaatgtga agaactttaa aaaaaaaaaa 109

<210> 1031

<211> 176

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 39, 49, 74, 85, 88, 91, 105, 112, 115, 117, 133, 134

<223> n = A,T,C or G

<400> 1031

acactgattc tgcaaagagg cctggactcg gaaaccaana aacagcttna agaggaggag 60
cggaggatga tcancgacga gcacnttncc ntcttgatg cttgnttgca gngangnaca 120
ccttcttccg agnngaacaa agcttcttcc tataatgaat cacactgtct ctacgg 176

<210> 1032

<211> 108

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1032
ccattttcact ttcaagcaga agatgagcag gattatatac gcgtaagtac tttcaaagtg 60
gcggtgcagt ggtttgaaat taaagcatta ttaagtacaa aaaaaaaaa 108

<210> 1033

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 55, 149, 153, 157

<223> n = A,T,C or G

<400> 1033
aggatgacct tgaactcctg atcttcgtgc cctcacacct ncaagagata gaatnacaga 60
tgtgggcaac caagcccggc tttgtatacc tgaattgggc gggcgtgatc cgtctcgggt 120
gggttcgggc gccctctgct gcctattgng acncggncca ccaagttacc caggcgggtg 180
aggtcggggc ggagctctgg agccatgact gagccgcagg agcagctgct gcaagctgca 240
gaaggacaac cgagatgggc cgcttcgcga agcaggagct agaagagctg gtgcgtgggc 300
tggaagccga gagccgaaga gcctcaccgg gccgcctgga ggagctgcgg gaagccgcga 360
agcgcagcct tgca 374

<210> 1034

<211> 307

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 24, 34, 45, 46, 49, 172

<223> n = A,T,C or G

<400> 1034
agactgagac aaggagactg acnngattgc atcntaccca tatanntana ctggctgacc 60
ggggagtttc aagcatctgc ctgcctttgc gactcaaaa gaatgccatc acccttggat 120
tttgggaatc aaaccaagga catcatgctt gcaagggtgaa aattccttct gntgggtttc 180
agagacacct gggaagactc tggggagccc ttggctaata atctcaggaa aactgctgcc 240
ccggctgaaa ctggaagctc atggtggacc caagatctct tatctctggg acacttaaaa 300
aaaaaaaa 307

<210> 1035

<211> 111

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 23, 37, 60, 62, 90, 92

<223> n = A,T,C or G

<400> 1035
aaccctgggt gaaaccctgn ganatcgaac atattanttt caagcagaag atgagcaggn 60
antatatagc gtaagtactt tcaaagagcn cnggagccag taggtttgaa a 111

<210> 1036

<211> 267

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 74, 121, 137, 189
 <223> n = A,T,C or G

<400> 1036
 atttcaaaaag atccctaatag ttgaaaatga gacaatgatc cctgtactga cgtcaaagag 60
 agcaagtgaag ttancagtca gtgaggttgc aggccttttc caggctgatc ttcagaatgg 120
 nttaaacaaa tctgaantta gtcataggca agccttccat ggctggaatg aatttgatat 180
 caagtgaana tgaaccatta tggaagaagt atattttctca gtttaaaaat ccccttatca 240
 tgctgctcct ggcgtctgcg ggcaaaa 267

<210> 1037
 <211> 290
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 29, 32, 43, 48, 55, 116, 125, 140, 146, 147, 148, 151,
 153, 163, 164, 170, 204, 208, 229, 232, 236, 262, 264, 272
 <223> n = A,T,C or G

<400> 1037
 gggaccaatc tccgctgcaa atcctgntnt gnagactcga ctncacncc agggnacacc 60
 gggcgaaaact gtaccacact ctgggccccg tccagcacct gggcttgcca aggtanggga 120
 caacnctttt tattgtcaan accgtnnnta nanatgggca aanngggggn ccctcctcca 180
 tagaagcact cattttgcgg ggtntcgnag aggggccctc cccaaaaang tnacgncccc 240
 ttgggggaaa agacaccctt tntntttttt tnttgaaaaa gggggggcca 290

<210> 1038
 <211> 428
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 246, 259, 281, 322, 324, 325, 333, 370, 406
 <223> n = A,T,C or G

<400> 1038
 agagaaaccc gaagaacaca agacaaaaga gactgatggg gcacccagtg gccctggacc 60
 gcggcaacag cctagtgcct tatgtgccaa gaggaagtaa agaaagccac cagaagccca 120
 cagagatcga cgagcaagat aaaagagAAC aagcaccctg ttgctcttta tggctgggga 180
 gagagacaga tggacatggg aagccagaaa acacacaacg tctgcgcgtc agcctctgtg 240
 cacganattc atgaatcanc acttcgagcc aagaatagaa nacaggtgga gaaaaggaag 300
 ctggctgccc aaaggcagcg gncnnacttc gngggccgtg gaaaaaaacc agaggggtaaa 360
 gccggcgtnn tgccgaaaac ccatggctga caaaagtata tgccgngcta cttcaagcga 420
 gggcgtaa 428

<210> 1039
 <211> 342
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 48, 52, 81, 84, 158, 167, 174, 177, 183, 200, 201, 221,
 228, 263, 268, 273, 284, 317, 324
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1039
agggggcgct ggcaatccgt cagctggngt cagtcattctt gaaacagnat gnggaaactc 60
actgggtgtgc ccaatcagga naanttcaga cctccggaaa ctacaagaaa gggcaaaaat 120
tgtcatccgg gagctgttac ccaatgggtt aaaagaanca ataagcnaag ggcncnncag 180
tgnggcctat gctgagtcn ncattgcccc ctgggattgg nctgaagnct ggccccagct 240
cttcaacctg cttatggaaa tgntggtnag cgnaagactt aaangctttc catggagccc 300
atgcgtgggt tgaccanaag ttanctcgag aaggggacag ac 342

<210> 1040
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 30, 33, 39, 44, 45, 50, 54, 59, 68, 89, 162, 216, 316,
343, 372, 390, 408
<223> n = A,T,C or G

<400> 1040
ggcagagacc gggcgagggc cgtngcactn cgngggganc tctnnagtgn ttgnacagna 60
tggttggnaa acttaaataa cgtagggana ggcgcagccc agaacttccg ttttcctgct 120
ggctcttctt tctgaccagg gccaaaggctg aaacctggct gnctctgccg ggtaatgccg 180
ctgctgtctga ttcgtgttgc tatccaaact ctatanaact ggactgctgc tgtatctgta 240
aagtgttggt gagtggattg agctgccact gctggctctt gtaaaactgaa ctggttgattt 300
cctgacagtg ccgatnaaat ttgctacaaa agaaccattt ctnaataggg ccactttccc 360
tggaatcctt tntttccgc tacctttggn aggttaaagg ggtttaanaa ccatcattaa 420
aaataagact ttgaaaaaat att 443

<210> 1041
<211> 259
<212> DNA
<213> Mus musculus

<400> 1041
cttcagtgtg tgccaccggt gggggaggca cgagaagaac ggggcactgg gatacgatgg 60
ggaaagatca agaacgcagc acaccaagtt tggaatggac ttagcttcta acctgctccc 120
tagctactga catttttttc atctcgggga ggagataaca gattagggga gtgggacctt 180
ggagcaagat cctaccagc taaatttaga tccagctgat tttcagcccc agctaatacag 240
ctcctgcttc ctgaccttc 259

<210> 1042
<211> 139
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 82
<223> n = A,T,C or G

<400> 1042
cacttggtcta ctcagngaac attgattcaa ccaaataaac tgattcaagg gagtgacttt 60
tgaaattgcc tcctgctaag gnaaccagaa agtacagcat cttggatgga gataccaaag 120
atcacaagat ctttctttg 139

<210> 1043
<211> 378
<212> DNA
<213> Mus musculus

```


- REPLACEMENT COPY -

```
<400> 1043
acacattttaa tcaaactagg caccaaaatg ctgccattgc ttcctggaga gaggaaacct 60
aatgatcctt ttacccaaag aagaggcact agacagacca gcattgcatc ttttgtcacg 120
ctacaatcag gaatggcaag tggtggtaac cagaagaaca ttttctctct caaagaaaat 180
cagaccaaca aagaatgcaa gagaaccag ctagactgtt tggatgatgg cttgctctcg 240
cctttggtca cttcagctcc agcagacatc caggaagctg ggcacccctg gtctccccag 300
atttcaggct gccagggttt ggaaatgtcg tctttgacta tgatgtcttt gaccagcct 360
ggtgtcctga tggatgca 378
```

```
<210> 1044
<211> 166
<212> DNA
<213> Mus musculus
```

```
<400> 1044
gatagggtgg ttcaccgagg agtgcacgt gcggttcac gtctccaaaa acaagtgtga 60
gtttgtcaag agaccctga acatcattga cttactggca atcacgcct attacatctc 120
tgtgctaata acagtgttta caggcgagaa ctctcaaaaa aaaaaa 166
```

```
<210> 1045
<211> 219
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 63, 68, 146, 174
<223> n = A,T,C or G
```

```
<400> 1045
gggagctggg acaaaaacaa gtgcacatctg aagctggagc tggagctgga gctggagctg 60
gancgtgngc tggagctgga gagaagcaca ggaagggccc gaggactaca gaccctccga 120
agacaggctg ggcattgact aatcanaggc tggtagcctt gtcccctaca ctangccaac 180
gccacctgct ttttggcgac tttcttgacg acataggca 219
```

```
<210> 1046
<211> 302
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 142, 193
<223> n = A,T,C or G
```

```
<400> 1046
actgagtgga gctggcctga actttggacc ttgtcttcca gtaggaaatc agtctctcag 60
aaggcgatca tggcctccaa gcctgagaaa aggggtggcct cctctgtctt catcacctg 120
gcaccgccac gccgagatgt anccgtgagt gaggaagtgg gccaggcagc ttgtgaagcc 180
agacgcgctc ggnccctggga gatgcttccc acaaagacac ctggggctgc agtgggcagg 240
agccccaaga cctggacgcc ctccggcaag accaatgcct cactctctgg agtcacacct 300
ca 302
```

```
<210> 1047
<211> 209
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 38, 108, 109, 111, 112, 114, 115, 122, 125, 131, 154
```

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1047
aaggaggaat gagaactcat tgacgtggtc gataaacnag aacatgaagc tgtggacaga 60
aggtgctgat tcccgtagaag cagtttccca aggtgagggc ggagctgnnc nntnntgcta 120
cnganccac nagcatagcg caccctggca ttantggccc tggccttcac acacttgaag 180
ctaattaaaa cgtttgggga atgaaaaaa 209
```

<210> 1048

<211> 337

<212> DNA

<213> Mus musculus

```
<400> 1048
actgagatca atcttcctgc tctgactcca cctccgaacc cctggacacg acccacttag 60
actcctctcc aggtcggctc tccattccca gagcttgccct ggtatgctca aagatatcca 120
catgttggct aagcaccttc tgtcaagagg agggcccgcc ccccgcaaca gtccccgcc 180
ctaaccactc cctctacccc ctggaactat acagtttcta gttcctttgc aggtccccgg 240
tcccacccat ccaaatcctg cctgtccccc tcaccatagc acatgaactc tgtcacaata 300
taaattgggtt cctccgacac caccgaaaa aaaaaaa 337
```

<210> 1049

<211> 275

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 33, 36, 37, 93, 98, 101, 139, 144, 146, 147, 150, 156,
173, 191, 195, 199, 211, 216, 236, 237, 245, 257

<223> n = A,T,C or G

```
<400> 1049
acaacccct ctatgtggat naaaacttca tcnatncccc gctggcccaa cctgactggg 60
ctgccactga agtttgggat ggccgccttc cancaacnaa nggctttgaa ccatctagct 120
cttggacggt ggaggtggna caananncn ttgtcnagct ggtgccataa tgngaagact 180
gtgaagggtt natangacna cattgcatcc natganacc acccatcatt ctaccnnagg 240
gtggnggaca tgtgccnagc ctcattttgc cattc 275
```

<210> 1050

<211> 244

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 102, 103, 106, 108, 112, 113, 114, 116, 121, 124, 125, 130,
131, 134, 135, 140, 160, 162, 189

<223> n = A,T,C or G

```
<400> 1050
ccatgcggaa aaaggcctgg gaagactggg acagtgaagg tgcctaccag catgggtggc 60
ccttcctgaa ggtcaataaa gagtgtgaaa cgtgagcaga gnntgncnat annnancttc 120
ngcnntgatn ngcnngagan ttgggaacat gcacagatgn tngggaaata ctcataggaa 180
agagagatnt gtatgggtaa agagctaaaa gaaagaacat catttttagtt aaaattaaat 240
cact 244
```

<210> 1051

<211> 251

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 36, 45, 64, 73, 81, 102, 103, 105, 111, 121, 137, 142, 181,
184, 193, 205, 212, 231
<223> n = A,T,C or G

<400> 1051
atcaaaactc acctgacgcc aaaacacccc caaaanacct accanccatt cctgggggtca 60
ctanccctac canctgatta ncctcccatg caagccatcc annanccaac ntgcccacca 120
ncccggaaga taaacgntca antcgtatta aaaatcacaa ttttaaattgg acattttaatg 180
nacccccgt agngacgcaa tgatncttct anggcccca aggcccttgg naaataaaac 240
cttcacacc a 251

<210> 1052
<211> 105
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 50
<223> n = A,T,C or G

<400> 1052
attctactca agccttcttg aaaggactgt gttgcctttg atgcatggan caaagaattc 60
ttagattttt ctgccaaccc ctgaaaccgg accttgtgat ggcaa 105

<210> 1053
<211> 384
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23
<223> n = A,T,C or G

<400> 1053
actgagggtc agtgaaatgg ctnagctaaa cctgagttca atcccaggac ctgcattgtg 60
gaaaaagaga accagcttcc acaagctgtc ttctgattgc tgcagacaca caatcaatca 120
atcaatcaat acattcaata ccattatttg tactattata tttatattgg acacaagggtt 180
ttatgctgac tcaggctgac cttgaactct tgattttcct gcttcagctt cccaatgctg 240
gaattagagg tgttattagc accactatgc ttggtatgag tacatccttt tgatcaatgt 300
ttgagaagct catgttaatc tttttccatt ctgattggag cacagcaggc tcatggacca 360
gtgacaccca gaaattgagc tgcc 384

<210> 1054
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 292, 307, 318, 341
<223> n = A,T,C or G

<400> 1054
ctcaggggagc cagctcacta ggaatctaca gattaagccg tgggaactcg gtgaacacgg 60
gaccatgtgc tttagatcct acaggatggc tctctcctgt ttgagcagag taaaaactta 120
caggaccctt tggaagagat tgtacagtac ttcacaaaca acagttgaca gcagggaggt 180
caaaaacttc caggccctgg ctcacaccgt ggtgggatga gtaccggaaa gtttgcgcct 240

```

- REPLACEMENT COPY -

```
cttcattcta tgaatgacct acgggtgcc a ttcattaaag acaatttttt gnaaacaag 300
tgcttantca ccatccanga aagcctttat ctgggatgaa naatcttgac cgttggctgt 360
ggcgggggggt tatttaactg aacctctttc aaaag 395
```

<210> 1055

<211> 156

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 25, 31, 50, 51, 52, 57, 59, 60, 65, 100, 126

<223> n = A,T,C or G

<400> 1055

```
aaagcctggg cagaggcct aattncttct nggggaactc tcaaaggccn nncaggntnn 60
aaganctgtt tccattctgg ggatcatgtc ttctccatgn tgtacctctt aagttttcca 120
tgatgnctca aagtaaaagc tttaagaaaa gaaaaa 156
```

<210> 1056

<211> 225

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 160, 176, 183, 200

<223> n = A,T,C or G

<400> 1056

```
tttctaccc cctgtctgtg cccatgtcct gggggccaga gcctgggtct actgtggaaa 60
gtgccagagc tgacctgcta ctctccaaga gagactcaga gcctgtgctg gactcaggag 120
ccttccatgg ccagggagac accctcagca tcctgccagn caggagacac aaacntgct 180
gtnagcaagt ggaccacggn tgtgccgagt ttgcggacat cctta 225
```

<210> 1057

<211> 102

<212> DNA

<213> Mus musculus

<400> 1057

```
gggtctacac aataccctat gtagcagaaa ggccgatttc ttacctattg gagaacatct 60
gtctctaaat aaaatctcaa ttgttccaga ggaaaaaaaa aa 102
```

<210> 1058

<211> 129

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 22, 30, 40

<223> n = A,T,C or G

<400> 1058

```
agatcacctg agactgangt tnttcacagn tgtagctan ccactgtctg cgactggga 60
accaaacctg catcttcttt gaaaacacca agtcagcttt aatcctaaca ctcaggaggc 120
agaggcagg 129
```

<210> 1059

<211> 275

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 30, 32, 39, 58, 63, 78, 79, 90, 98, 114, 122, 132, 182,
200, 209, 213, 234, 241, 249
<223> n = A,T,C or G

```
<400> 1059
tcgatcactg gcatgctgnc caaggctgcn tncatgagng atatcaatct cctttcgnac 60
tgntcaaata aaaatgggnc tcacctcagn cctatgtnac acgacctcac aaangtggta 120
ancagctgga anaggactcg gggacctggg caggctcctc cctgcgacgg accttcagct 180
tnctcttggg catgaccggn agggacaana ctntttgctg ttttgaaaca aggnctccct 240
ntgtagctna gactcccctg gaactcacta tgatg 275
```

<210> 1060
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 31, 35, 59
<223> n = A,T,C or G

```
<400> 1060
actgagggttc aatgctacaa ctgangctga ntgtntctaa gctacagtaa aagaaagtnc 60
agaatcagga gacctagctg ccctgggaaa tggcttcaaa ggcaccactt tccaacaagc 120
caccactcc ataattcaaa taagacagct caaaagatat gtttttattt tgggggaggg 180
ggagacatgc ataccatcc ctaataaact aaatgcttga aatacagaat a 231
```

<210> 1061
<211> 391
<212> DNA
<213> Mus musculus

```
<400> 1061
aactgagggt ggtgacatgg ctccctgata tccaggatga tatccaagt gctacaatgg 60
gcgacatccc aggtttgtgc ccgaatgacg atgtgcctgc tcccctctac cagatcccga 120
gcatccaagg atgaccatcg aatgctcaag catggccatc acccatctcc ccacaagcct 180
caaggcaact ctgctgggtt gtaaattgct ggtctccgtg cttccagtga acttggacat 240
tcttctcatg gttggtccag gagaggccaa agctgagggc accctgcctt ccacccccag 300
tccagcttga ccttttatct ggagcaacag tgtctagatg atgggtgggt gaggggtgct 360
atactgtctg tccctctggg aagggttcga t 391
```

<210> 1062
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 30, 80, 98, 202, 213, 221, 231, 246, 281
<223> n = A,T,C or G

```
<400> 1062
agactgatat ttctctgagt ggnggaggan cctcagcgca ctgaaggccc atggcgcccc 60
ggttgggttt tcctttcttn ttcattcttc ttcttttnaa aaggcaacag aagagccttt 120
gctgactctg cgaaaagggtg tcacggaggg gccaccgcg cctcccatag cgccggcacc 180
tgtccaggga cggcctcgtc gngccacagc canatggagt ntttcccgat nggggggggg 240
```

- REPLACEMENT COPY -

```

agggtntttct ccttcaagca attatTTTTat ttttttatcg nttttaattt taatcatagg 300
gcacatatTC aaaaaaagta tttttaaaca caaaaaaccc tgaaatgtat atttggatcg 360
ttttaaggca attgaaaacc ccacctcagg tatcccgctt tataTCgata gtcctcccc 420
cg 422

```

```

<210> 1063
<211> 347
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 22, 27, 31, 36, 37, 39, 42, 45, 48, 52, 58, 69, 75, 77, 87,
92, 93, 94, 98, 101, 102, 104, 107, 109, 121, 122, 125,
126, 137, 320, 321
<223> n = A,T,C or G

```

```

<400> 1063
taatatactc tgatggaact gntggcTttg ntgcanncnt tncantTnta cntaattnac 60
ttgtacganc tacancngat tggaaanact tnnntatnga nncngancnt tattttggat 120
nnctnnctct gtgtgcncTg agagctgcaa tcctggattc aggaaagtTg tcctggagag 180
caagcctacc tgTtgcTttg attgcactcc ttgcccagat aatgagattt ccaatgaaac 240
aggTgaagga caagtTtctc agaggattTt ccattctTtc tacagtgcTc tcacaaaact 300
aagTaaaggg aaaaaaatn naccggggga cccctTggc cattacg 347

```

```

<210> 1064
<211> 405
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 206, 211, 214, 215, 216, 232, 265, 266, 287, 290, 311, 344,
382, 383
<223> n = A,T,C or G

```

```

<400> 1064
cactgaggag gcagaagcaa atggaactct acctagtTgt aaagccagct tccttggtct 60
agacttccag cccatccaag actacataag agatgtggcc tcaaagaaag aaaggagaac 120
gagTtggaaga aaagctgtca cgaccctcca aaatcaatat atttacagct tcctgagagg 180
acggcgatgc taaagactgt ggcattngggg naannngtct aaaaaagtgg gnggcttgac 240
aaccctTgc cagaaccatc attgnnaaca ttggcaaggt gtgtganctn gaccgagaac 300
aacaccccc ntgtgtggTg tgcccaggac ccccaccagc ttgncctTgc tcccattggc 360
cgagTtttga aaaaggtatg cnnccaatgg accaacaaaa acctt 405

```

```

<210> 1065
<211> 334
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 20, 23, 33, 36, 38, 40, 50, 55, 87, 128, 158, 186, 203, 227,
253, 260, 276, 303, 308
<223> n = A,T,C or G

```

```

<400> 1065
gaggaggact tccggtttcn cancacaccc gtntTntntn cagccgtggg gctgnnggctc 60
acagcaggcc tgcgcgggTg ggcgatntgt gtacgccgaa cactacatca ccatcccggt 120
gggctgcnc tgcgtgcccTg aaccgggaca aatccgtnga cacgtgcgaa ctccagcatg 180
gacaanctga tgctggggcc cgncgacagg cctgcggagc cgcttangcc ggggactgcc 240

```

- REPLACEMENT COPY -

```
cccatggacc aantttactgn atgcatcaag gacccnggcc ctgaaaaacc caccatga 300
tcntgggncc tgctaatttt tcaaaaagga aaat 334
```

```
<210> 1066
<211> 344
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G
```

```
<400> 1066
gaagaactga gtgtgagccc tgataactga gtgtgctnag tgctgggtctg ccatgctaag 60
cctgtctccc aggaccaggt gacctgtccc ttcagcttct ttctcacacg cagatgaaca 120
ctggacttca gaaattgtga aggttccgac cgctgcagag gggcttacat tgggaatggc 180
ccctcttgcc cctcacccat tcaagagcat cttccacctg ttccaggacc aatgtgtctc 240
attcccaagt ggcaattagt tgtctagaaa ttcaacactt ctctgtaacg ttagactggt 300
ttgttgtaaa ttcttgccacc tggctctctg ttgcacagtt gggc 344
```

```
<210> 1067
<211> 808
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 101, 143, 202, 241, 262, 304, 309, 333, 368, 391, 416, 425,
476, 496, 541, 544, 561, 575, 593, 612, 621, 624, 628, 639,
684, 696, 707, 710, 718, 725, 726, 727, 732, 750, 753, 765,
769, 783, 789
<223> n = A,T,C or G
```

```
<400> 1067
gatccctgtg ctccctgagcc ttcatgtggg atccaagatt ctccctggacc ctttgccacc 60
tgcccttctgt ggctctggaa gctcccgcc cctgttctgt naacctgaaa gctccctggg 120
gtcacctact ccataccctga aangatgccc tgcactaaat tctggtcgaa ctcccagcgc 180
ccacgagtgt gtgcctgtgc anagtccact tgcgttgctg agttgcccgt tgtgcaaaa 240
ngcgtttgac ccgaagctga cncagctaga tgtggatagc caccttgctc actgcttggc 300
tgantgcanc gaaaatttgt gtgggtgagca tcngggtgcc ttgctgtatc tccttcaaac 360
ctacacancg acattggatg tggcttctga nacatcgtcg tgtggacacc tgaatnttgg 420
ctccttctgtg ttttgttcat gggcattgga cataatgctg gtcactgaca gcaggnaaca 480
ctgatcctct gtggantcat cttcattgtc agcctgacag gattggaatc acccaggaaa 540
nacntctcag gtgtgcctgt naaaaccgtt ccccnaaaaa taactgggga aanggaaatc 600
ccccctgaaa tnttgggtgg nccntgggnt ggggtcccnc tgaattgaaa aagggaaaaa 660
tggaaaaaat tgaaactgtt tcnccccctg ggggangtta ataaaangcn ccgccccncc 720
tgctnnnggg anccataact acttttggtn acngtgcccc cctgncccng ggaaagtcc 780
ttnactgtna aacccaaaaa aatttttaa 808
```

```
<210> 1068
<211> 156
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 48, 133
<223> n = A,T,C or G
```

```
<400> 1068
```

- REPLACEMENT COPY -

```
gactgagctc aaggtgggggt ccaaagaccc tgtgttaagc actcatangt caagctgggg 60
atacaacccc taaaaacagc acaccaccca tgtttaacct catgaagaaa gataaggaca 120
aagatggcgg gcngaaggag aagaaggaaa aaaaaa 156
```

<210> 1069
<211> 363
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 126, 136, 144, 165, 209, 230, 262, 265, 273, 292, 344, 347
<223> n = A,T,C or G

```
<400> 1069
tacaatgaag tgttttaatt gcaaccctga tctttccgag cttgaagtgg tgaagcctga 60
ggacagtggg atagaagctt cctacagtcc cgtgtgtttg gaaccttcct gtaatgactg 120
tggtanaaac catganaggt tgtntttcat cgactcacca attgngggac atgataacaa 180
ggaaaatcaa cgcgtacaaa acacactana tagttcaaac gaaacagaan agctagaggc 240
cagtaaaactg tatgaggaca gnggntactc atntttcaca caaagggacc gngacgatgg 300
catccttatc ctggagaatt tcaaaaacag tccccaggcc cgtntgntgg cattaaaaaa 360
aaa 363
```

<210> 1070
<211> 151
<212> DNA
<213> Mus musculus

```
<400> 1070
aactgagatc cgtccagaaa gtgcccagaa gaaacttcct cttagaaaag ctgaaaacac 60
agtatttata aacttggaag ttgtaaagaa tttgtttaaa atggctgaaa acaatagtaa 120
aatgtagat gtatggccta aaacaaaaaa a 151
```

<210> 1071
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 32, 44, 51, 52, 58, 60, 73, 93, 94, 103, 111, 118, 124,
130, 135, 186, 283, 285, 303, 304, 306, 320, 321, 348, 351,
356
<223> n = A,T,C or G

```
<400> 1071
actgagataa tatttgatga tgagtgancc gngtcctcaa gaangccagt nncactgnan 60
agagaggaaa gancaccagg ggccacttat gcnnataaac tgnccaggacg ngtccttnaa 120
gttntggaan agagnctcc agtgcatttc accatcatct tcacaggatg gaagctatca 180
gtttgnccta tgggtttattt tctaggaacc caagctactt tcataatgaa aaaacagaga 240
tggaagagac ggtgtctgac tgctggacaa gtagttacca ggngngacta aagaatatcc 300
tgngntaca tccattcggn ngacatgggt ccatgtaggc agactttntt ntctanagct 360
tttgaaaaaa aggaaacctc atttcaggac 390
```

<210> 1072
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 120, 390, 440, 473

<223> n = A,T,C or G

<400> 1072

```
actgagggtgt tgccatggtg atggctgtgg aagacagcgt gggtcgggtg gtcgtgcggg 60
tgaggcctcc caccctaag gagctagaga gtcagcggcg gcctgtgatt cagggtggan 120
acgagcggat gctggtatatt gaccccgagg agtgtgatgg gggatttcct ggcctaaaat 180
ggagtgggtc ccacaatggc cccaagaaga agggcaaaga cctgacattt gtctttgacc 240
gtgtcttttg tgagatggcc actcaggagg atgtgttcca gcacaccaca cacaacatcc 300
tcgacagctt tctccagggc tacaactgct cagtgtttgc ctatggcgcc accggggctg 360
ggaagacaca cactatgctt gggaagggan ggagagcccg gcattattgt acctgaccac 420
catggaactg tacaggcgtt tggaagcccc caggaaaaaa agcaattcga ggngctcatc 480
aagttacctg g
```

<210> 1073

<211> 488

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 50, 61, 250, 260, 316, 372, 413, 440

<223> n = A,T,C or G

<400> 1073

```
acggcagggt atgtctgtgc tgagtctctg gagccagatt tctgctgcgn ggtctcacag 60
nggcgggtaa acccaagcct cttccgggtc ctaggaaagc gatgcaggct ggatgtcaag 120
gattcctttg accaagcttt gctgacctct agggccagcc agggtttgca ggatccacag 180
ccattgtttc ttccaagccc ccatactgg gagaagccag ctttggcctg acttccacca 240
ccaccatttn tgccccacan aaggttccta gtcaggaaaa cctacaacca caggacacac 300
ctgtgtgttc cacagntctg ctttcttcca caccagcaa aaaattccct tcctgggagg 360
aaaccagtag gngacacaaa cacttatgca ctttctccct aatttctggg ganaattgag 420
cccttggtct gggtacctgn aatgggttata aaccaaataa aatgggttctc aagagttaaa 480
aaaaaaaa
```

<210> 1074

<211> 407

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 269, 317

<223> n = A,T,C or G

<400> 1074

```
tgaggaaagaa gttttggtat gaagggtccct ccctgggggtc tcaacttgacc ccagggccat 60
ccaagcatga gttcctcacg aagaccacct caaagaagac taggaaggaa gacagcatcc 120
gcctgagggt cctgaacggc cttctctaca aatcattgac ggaactgctg tgcactctc 180
aagttagcca ggaggtctac gacctgaatg tggagctgtc caaggctctt gtgacttcaa 240
acttctcagc ctgccgagtg tactggaana cgggggtctc tgcggagcaa aacaagcaca 300
cggagtcggg gctgcanagg agccgctgcc tacataaggc atcttctgat atctcaacaa 360
accctgaaaa atgttccacc catagtgttt gttcaagaca aaaaaaa 407
```

<210> 1075

<211> 170

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 41, 43, 48, 68, 69, 79, 80, 104, 113, 150, 153
 <223> n = A,T,C or G

<400> 1075
 gcggatggcc atacttacat gtgtggtttg aatctgccag nanaaaangc taaaccacat 60
 gatgtacnna ttaacatcnn atcatacctc cgagtgcata caantacaat aancaccggc 120
 agccgcaaaa atccctgact tccccctcn atnacacaaa attaaaaaaaa 170

<210> 1076
 <211> 233
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 96
 <223> n = A,T,C or G

<400> 1076
 agactgagga gcctgagggg ttcanacgga ggccttgaat ctccctggagc tgaactgcct 60
 gacatgaatt ctgggaagtg aatttaggtc ttccanaaga gcagtatgca ctcttaacca 120
 ctgagctact catttttgtt gcaggcgctt gcaatgaggc atccgctgct tctgggtgctt 180
 ttcagcgact ggactagggt tctcctcgtc ctttcctctc tgaaaaaaaa aaa 233

<210> 1077
 <211> 511
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 122, 136, 147, 185, 209, 455, 481
 <223> n = A,T,C or G

<400> 1077
 cagacataat tgttttgtct gataatgagg cctccagtcc ccgatccagc tcccggatgg 60
 aagagagact caaagcagcc aacctagaga tgtttaaggg gaaaggcatg gaggagcggc 120
 ancagcttat caagcnactg agggacnagc tacaattgga aaaagctcgc ctggtgctgc 180
 taaanaaaact gagacagagt cagctacana aagagaatgt ggtccaaaag actccagttg 240
 tacagaatgc agcatctatt gtccagccat ctccctgcaca tgtggggacaa caaggcttat 300
 ctaagcttcc ctcccgaccc ggggctcaag gaattgaacc tcaaaatatg agaacattac 360
 agggtcacag tgtcatccgt tcaagcaacc aacaccaccc ttccacacat gttgatgtct 420
 caacgtgtta ttgcccacaa ccaacccaac tttanggcc a ggggggtcca ccgaaacctg 480
 ncattgtacg caccacacac ctaacatgaa t 511

<210> 1078
 <211> 209
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 41, 59, 61, 100, 109
 <223> n = A,T,C or G

<400> 1078
 tctctaccct ccagagctct cttgagtgtc gaggtctcgg nctgacttgc agccgctgna 60
 nagataaacgc ctgagtcctg aattgcttta cctattgcan gttaaaagnc tacagttcaa 120
 acaaaaaccc tgactgtctg agaagcagca tcaatctgca gaagcggcct ctggagttat 180
 acacagataa ggacacagga tgaaagacg 209

- REPLACEMENT COPY -

<210> 1079

<211> 471

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 169, 218, 275, 302, 311, 338, 389, 393, 415, 425, 427

<223> n = A,T,C or G

<400> 1079

```
cacccctcag atctgtcttc aaaaggcttg ttcaagtgcc aggagtggcg gagcacgttt 60
gtgatccag cctttgggag gtggaaacag aaggatcgga agttcaaggc cctcctcagc 120
tattatagca ggcagtacat tccgtgttca ccgtgtgcca gctgacggnt ttcaggtgag 180
ttgttggctc attggccaca cgctactctg agccaggnga tgtgggtcatc tccatttcat 240
ggatgcacgc tgcaaaccct gtgttctttg ggaanacaat gtaagcctga ggggaagtct 300
antaaggcaa naggctaggg gtgaggaagg gctgaaanag ggaactgaga tccattcgaa 360
actgccatgc aaactataaa gtatcctgng tngtcttta cactgccta atggngcttc 420
attananaca actgggtttc gcactgccac ttaacattgc aaagtcactt g 471
```

<210> 1080

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 69, 74, 82, 84, 88, 92, 94, 96, 98, 100, 104, 105, 108, 114, 119, 126, 145, 146, 152, 155, 158, 165, 166, 167, 181

<223> n = A,T,C or G

<400> 1080

```
aactgaggaa tcagagactc agccaattgg atgtccgaag actcgggagc agggagggaa 60
gcgaaggang ggcngaagat gntnacancg cngncngngn atgnnctngg aggncccgnc 120
tctcnccttt ctataatctg gcggnnctta antgnatnac caatnnnatc gggcctacct 180
nccgagctga ccaatgggag ccggaagcgt tggccaggcg tgagggtcgc gaggcggcgt 240
atggcggacg cggtgctatt cgagtttctg cacaccgaga tgggtggcga gctgtggggc 300
ccggaccgcg acccaggctc ggggggggagc gg 332
```

<210> 1081

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 125, 129, 141

<223> n = A,T,C or G

<400> 1081

```
aagaactgtt accagaantc gtgcaccttc agtccgaagg ttacctctgc ctccgcggcg 60
tcaactgcc ccctctcctg accggaactt gcccggtga caaatccaga gattttgaag 120
agttntganc caccactgct nagctacaaa aacaaaacaa 160
```

<210> 1082

<211> 435

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 16, 19, 185, 246, 318, 371, 382, 390, 392, 395, 396, 400,
410

<223> n = A,T,C or G

<400> 1082

```

cgtctacgct cctctntana ctgaggtaca gttaaagaat ctggtgcaaa acacaaggga 60
cttattgaaa taccagcct ttctgaagaa aacgaaatca atgacactga ggtgaacgtg 120
agtgaaga aaggagatgg ggaaatactg aaggatctca tgagaacgac aggcaccgcc 180
aaggncaggg aggcccttgg agagtacctg aaggcactca agacggaatt tacaacagga 240
atgatnctta ccaacaaaag ctgtagcaac ccaaggaact tgactcttca ccagggaaac 300
tgagatgaaa acaaagcntg caggctttct tcccaggagg tctactgggt gttgaaggga 360
ttcccacagg naggcttttg gnacctttgn ancannaagn ttggttttgn ccaccggacc 420
agtcaggaaa cccag 435

```

<210> 1083

<211> 210

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 42, 53, 113, 123, 132, 157, 161, 166, 168, 179

<223> n = A,T,C or G

<400> 1083

```

tgggcagagg ccataactac ttcttgggga acnctcaaag gncggacagg aancatggct 60
ggcatccata tatcgtagt cctcgatcag agaagatcct atacttttcta ganaatagga 120
acntccgaat anagaacctt gcagaaagct cagacgntct nacgtncnga ggaagcgang 180
ttgaggtgcg tgggacaaaa gaggagagaa 210

```

<210> 1084

<211> 322

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 132, 133, 173, 176, 223, 226, 241, 244, 261, 263, 290, 294,
296, 302

<223> n = A,T,C or G

<400> 1084

```

cgtggtgact attccacttt catttggaagaa gaacacgcat cctgctggct ggaatgcggc 60
tatatcatca atcaactctg ctcattccagt tacatccctc gggatcatctc tgcccttagc 120
tagcccatag gnnggctcgt ttatcatcta gaagaggaga ggaacctcaa ctngangaaa 180
aatgcctctg taaagatcaa gagctagtca tgccaaagcc cngtnaggg catcttatta 240
natntacttg gaatagatta ngnggggggag agggcccttg cccattgan ttgngnttgg 300
tngeccattc ccttagagct ag 322

```

<210> 1085

<211> 109

<212> DNA

<213> Mus musculus

<400> 1085

```

atgaactgag acattgtctc atgtagttcc ttctgtggac gtttggagtc aagaagtcaa 60
tcgttctgat aactacagat tggattccta aagggtgcaag aaaaaaaaaa 109

```

<210> 1086

<211> 279

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 40, 147, 223, 232, 247

<223> n = A,T,C or G

<400> 1086

```

gaatgtcagc gggacatccc tgagcagcac cgcagcgcan atgtgcacag atgaggcagg 60
aggacggcag gtggagtaag ctctctgatg atgtcactca taaaaagcaa gccacgagcc 120
aggttggcga catagctcaa ggggtanagt gctcacggag gagccgcagc gaaaaccctg 180
ggttcttcca tgcccagcac cgtataatcc aggtcctgtg ttnaaatccc anaaaccaca 240
tgggggntca caaccctttg taacgagatc tgactccct 279

```

<210> 1087

<211> 471

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 233, 240, 336, 342, 345, 354, 365, 381, 393

<223> n = A,T,C or G

<400> 1087

```

ggactattga gcaagcgttt aagccccag ttctgagcca tggcctctgc agtcctcagc 60
tctgtgtcga caactgcctc tcgctttgcc ctgctacaag tggacagcgg cagtggctct 120
gattccgagc ctgggaaagg caaaggccgg agtaatggga agtctcaaac tctgggaaac 180
aaagcaacct caaatgagaa gaaacgggag aagagaagaa aaaagaagga acngcggcan 240
agtgaagcaa acgagctcag gaatcttgct ttcaagaaaa ttccccagaa atcctcccat 300
tccatttgca atgttcaaca tgagctttca tcgccnaacc cnacncaaaa aggngtccccg 360
ggaanaaaac tggcaagaag nggggacccg aangatgaac cgctgacctc tgaaatgttt 420
gaaactgacc ttgaaaaagc gttgctgttg aataaactgg agtatgaaac c 471

```

<210> 1088

<211> 283

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 245, 255, 267

<223> n = A,T,C or G

<400> 1088

```

gactgagaga caaagccctg aagagtctgn aaatgagtcc gcattcttta gtcattgagct 60
ataaccctga gttttggcac agacctgatg gcttgagcct gctgatgtcc agtggtcttg 120
aaatccagtg cccatagatg tggactaagg aagagcccgg ccatgggtcac tctcatcaca 180
gagaagctgc agaaccagag tttggatgac ctcacccgca gggcctgtga ggctggccccg 240
tattntgctg agaantgaa caaaagnggc catttggtcc ctt 283

```

<210> 1089

<211> 369

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 32, 37, 51, 61, 71, 108, 149, 150, 153, 162, 168, 169, 173, 174, 191, 205, 215, 217, 222, 264, 314, 315

<223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 1089
actcgaggga cacatgcctg tgtctcacia nntgctnccc tgcctctact ntgtgaattt 60
nccaaaactct ntaactctga ttcactctta ttcactcttc cctgtagnnt gtgtgtaaag 120
agcccttaaa gcaatatggt ggaggggtann agntgagagc cngtggcnng canngcctaa 180
acttgggtaca ncaaaggaaa tttcnaggga cttgntnctg antctgggag acacaggcga 240
tccatcctct cccctatttc taangaaaca gtataacttt gggaaatgga tgattccatg 300
tttaagaggc ctggnnattgt atacttggca tttctgattt cagttctaaa attctgtccc 360
ttcgtcata                                     369
```

```
<210> 1090
<211> 164
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 25, 52, 79
<223> n = .A,T,C or G
```

```
<400> 1090
tgcaatgcgg gcacccttcc catgntgaaa ggaatccttt gtcactcacc angatgaatga 60
gactatactg atgggcctng cctgtaaaag gaacaatatt tttctttctt tttttcatgc 120
caggttatta aagatatagt gaactgaaag ttcaaaaaaa aaaa 164
```

```
<210> 1091
<211> 384
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 47, 67, 71, 73, 85, 92, 95, 96, 97, 98, 104, 105, 106, 111,
112, 130, 144, 160, 278
<223> n = A,T,C or G
```

```
<400> 1091
ggctgtctct gccaggaagt cacgctgaac aaacagggtga acttcancaa acagaccatc 60
gcggggntct ncnaataaac ttttncaaga cnttnnnntg tagnnncaca nnaacagaat 120
gagaccctgn ccccgctgga gggngagatc actcagctgn ccaaactcag cggccagatc 180
caggagacag ctcagaagcc ggacctagac ttcctccagg agttcaaaag cacactgagc 240
aagtgcagca gcgtgcccag ctccaagcca accacagnct catctgagat gaagaataaa 300
gtgtggaatg tttccctcaa gagtttcgct ttaaaaggat tgctgaagaa gttcaaagag 360
gatctccagg gagagctgga gaaa 384
```

```
<210> 1092
<211> 368
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 235, 240, 246, 251, 267, 268, 276, 277, 281, 282, 299, 305,
308, 315, 327, 330, 335, 337
<223> n = A,T,C or G
```

```
<400> 1092
actgagaaac gggcgtgcag gaggtcagaa ccagggtgat atgaagtgca gcggccacat 60
gctaaccacc tgtgccctgc tgtcctggag cacagaggac caggagccca ggccacgagg 120
cctgcctgca tcacaaccag actgtagcca ggagaggctg agctcaatgg ttctgcagaa 180
cgggtggaagg agttcggcc agccttgccct gaggtgtatc tcggggggagt ctggncattn 240
taatentacc naccatcatt ataagannca tatggnnctg nngaaatggc taacgggcnt 300
```

- REPLACEMENT COPY -

```

aaaangcnta ctganctttc taaaggncn atgtnanaaa ccactaccaa cctgggggggt 360
ttccacac                                     368

```

```

<210> 1093
<211> 338
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 45, 66, 72, 79, 83, 88, 91, 92, 96, 103, 106, 112, 123, 129,
138, 139, 143, 146, 166, 174, 178, 180, 182, 186, 187, 199,
201, 211, 214, 215
<223> n = A,T,C or G

```

```

<400> 1093
gcagccgact gtgaagaaga aaaagaagat ggatttactg aaacncatgc aggaagagcc 60
actttncgag gngggagcct gtncagnac nncatntcct agncngaga anaagaagaa 120
cangaaaang aagagggngg cnttgnacta atgaaaagga accatngccc tgtncnccnan 180
cncatnntgc ttacgattna nttgggagca nagnncatca gatgctctca tattatcccg 240
ggaggttgaa tatctaactt ttcaagcctt tttgtgtctt gacatcaact gttgacctta 300
gtctttgata cacaaataaa atattttctt tgtattat                                     338

```

```

<210> 1094
<211> 373
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 19, 51, 71, 92, 101, 131, 162, 168, 169, 170, 172, 176, 180,
181, 184, 186, 190, 191, 202, 204, 205, 208, 209, 212, 222,
227, 238, 349, 355
<223> n = A,T,C or G

```

```

<400> 1094
gtggaactct cacaaggtnt ggacaggaac catggctagg atccatatat ntactgcctc 60
gatcgactaa nctcttatac tttctaaaga anaggacctt ncgaatcgga actttcaaaa 120
gctcgacctg nacgtcttct aaagagagag ggctggataa anggaggnnn gnggcngggg 180
naancnaggn ngtcacacac tnanncanna anccctccta anggagnttt ccacatntc 240
ctgaggctgc actgcctgag agccactgac tgccttacct atgaggctcc tgggctggag 300
ggcgagcaca aggagtgggg actgacttca aggttggaga gaagcgcana ccccnaggct 360
cgtggtgaaa gcc                                     373

```

```

<210> 1095
<211> 141
<212> DNA
<213> Mus musculus

```

```

<400> 1095
tggttaatga tatacagatc cttctgcgga ggaattgaga aatctaataa tgttgcatgg 60
aggtcaatac catgtgtatt attctagatc caaaacaaca cacattattg ctacaaatct 120
tcctaatagcc aaaaaaaaaa a                                     141

```

```

<210> 1096
<211> 279
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

- REPLACEMENT COPY -

<222> 21, 72, 78, 86, 145, 168, 171, 179, 184, 190, 199, 241, 245
 <223> n = A,T,C or G

<400> 1096
 gttttgcctg gataacgaca ngaagatggt ggcaggatcc cccggaagtg atgttacaag 60
 gcactcacct gncactgnca agggcngggc aggccatcct tccgagccca tgggagccgg 120
 gaccactaag actgctggtg ggaanaagtt ggggtgctggg ctgatgggct ngctttctnt 180
 tggnccttcgn ttgtaatgng gctggcccat gttggtttta tgtttaatgc tgcgcttata 240
 ntaanaaaga gcccccccaa gctgtacatt tataaaaag 279

<210> 1097
 <211> 300
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 20, 28, 33, 42, 43, 48, 49, 52, 66, 72, 78, 81, 108,
 112, 150, 182, 190, 203, 224, 236, 238, 239, 252, 255, 276
 <223> n = A,T,C or G

<400> 1097
 agaggtcatg aagcangggg gcccctcncc ccnccccct gnnggganng gntgattact 60
 ttccctnaaaa anaccacngg ngggaccgac ctttggccac tcacaggag gnggaagcac 120
 ttgctatctc attccctaag gaccaatcan tttaaaagtc tcactgtttt gccaatcaca 180
 tngggcctan actctggggc ttnattccgc tcctggaaac tgtnaaaaaa ctcatnanng 240
 ggccgccttt cnttnggggg caggacaccc ccagcntgct ggaacaaaaa attccttttg 300

<210> 1098
 <211> 152
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 75, 79, 114, 117, 124
 <223> n = A,T,C or G

<400> 1098
 tccttcacaa aaaaatctct acanggatgt gatgctggac acctacagga acctcactgc 60
 tataggttat aatgnggana gaccatattt attgaaacaa cattgtcaaa gtnncanaaa 120
 cacntgggga ggcttttttt catgtcccaa gt 152

<210> 1099
 <211> 284
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 63, 64, 80, 129, 154, 174, 194, 197, 202, 229, 245, 252, 265
 <223> n = A,T,C or G

<400> 1099
 gggggccaag cacatcacaa cacctgggtg ggtgttcggt ttttctccaa agcttctggc 60
 tgnnctccgc caaaaactgn aggtgctggg tcaggaaaac tgccttggtc aagcttactg 120
 gggaggcanc acctcgaaaa caagctgcaa acanacggca gccaggccag ccgntttttc 180
 aaccagggaa aaantanagc cngttttttt cctgcaactt atcaagtcnt tcaaaaaaag 240
 agganccaaa angaggggat gaggncatt tgaaaataaa aaaa 284

- REPLACEMENT COPY -

<210> 1100
 <211> 302
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 79, 83, 109, 114, 116, 127, 129, 164, 175, 178, 179, 183,
 198, 201, 202, 209, 210, 218, 219, 238, 240, 241, 242, 275,
 280, 281
 <223> n = A,T,C or G

<400> 1100
 caaatgatcg cctcctgtac tggagctgtc ctgacatcac taatggggaa aatttatgat 60
 cccggggccaa attatgtanc ttngattatt ctatcaaagt tttattatnc tgggnanaaaa 120
 gtgatgnana ttttgagggg gtggcgggcg agggatccct ccncattgc acaanaannc 180
 atngtttcgg ttatttgnag nnaccggggn gcattganng aaaaccccg gcctatgntn 240
 nntaaaacat ttttcttcac aaaaagaggg acaanaaagn nccccttgg atcggggccc 300
 cc 302

<210> 1101
 <211> 334
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 35, 40, 69, 81, 93, 109, 117, 139, 144, 156, 170, 172,
 184, 201, 233, 239, 242, 249, 253, 258, 269, 285
 <223> n = A,T,C or G

<400> 1101
 aacatgtgcg ccgttcnctg ccagagctgg cccancacan ggctgacatg ccagagatgg 60
 gaagagcana gccagggccg ntatatacac cgnggggagcc cccttgcant gcttganaaa 120
 acttgggagg acaacaagng ggtnccttcc gtaagngagg aaagccttgn tnaaacaggc 180
 catnatcttc cgggaccaca ntgaacccca ttgccccaaag gccacaagg cangcaatng 240
 cngcccgcnc ttncctcntt gtaaccaang gagggaaacc tggnggggtt tttgggtttc 300
 cgggcccatt tttttttttt ccacctttgg gttg 334

<210> 1102
 <211> 138
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 29, 30, 47, 52, 53, 55, 63, 77, 81, 91, 102, 119
 <223> n = A,T,C or G

<400> 1102
 ggggagccgt ctccgtcttc ntccctccnn cacaatgaga gttaatngtt gnnngtggcg 60
 acnccctcag cctgacngtg nattgatccc ntctttgaca gntggacttt caaagaccnt 120
 atttcaaagt aaggtggg 138

<210> 1103
 <211> 239
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

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<222> 27, 36, 37, 38, 41, 46, 50, 57, 77, 91, 99, 140, 180, 187,
191, 196, 205, 209
<223> n = A,T,C or G

<400> 1103
tatgcaccca ggggggggacg atgaaanaaa tctatnnnga nctctncaan aacaccngtg 60
ggagcacaat agctganatt cgaaggcttg nggattgana ttgaaaaact tgcagggtggc 120
ttgcaccaac aggaacttgn tgagatgaaa gcacaacctg ggagttaacc atggcccgan 180
atgcggnaaa ncctgnaaac agganccgna tttggttcat cgccgagggg aaagaaaca 239

<210> 1104
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 107, 109, 118
<223> n = A,T,C or G

<400> 1104
tttttttttc caagaattta aggctcctga catattcatg gaagtgtctgc caaatccccg 60
gggtcccgat taaaaaaaaat ctggggggga atttttaggga atatggntng tttccggnaa 120
atatgtagt ccatca 136

<210> 1105
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 26, 60, 96, 100, 102, 116, 126, 129, 140, 146, 157, 172,
175, 178, 198, 206, 225, 231, 237
<223> n = A,T,C or G

<400> 1105
aaagacatcc tgaaancttc tccagnaaag agcccaggca cacggcctga atatgaggcn 60
ggcgggaacc cccttcatag ggaaaagggtg gccanccaan ancaactttg tgctgnctgt 120
ggccgnagng cttcgggtgn tttggncaac gtcgggngtt tcccgtccct tntgntanaa 180
aaagggggga ggggcgtnc tcaatnccgt atttttatatt tcttnttggg ngagccngcc 240
ccgctgtgt tttttt 256

<210> 1106
<211> 297
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 48, 55, 60, 62, 66, 69, 73, 78, 91, 110, 178, 185, 186,
192, 211, 221, 229, 240, 254, 259
<223> n = A,T,C or G

<400> 1106
gcaagaaagg ctttcttgcc gagcaggggtg cgggcttgat ctcenacnct gggtnntagn 60
gngganaang ccnctttntt ttctgaaaag nggaagcaaa acgcctcccn cttgcacagg 120
ggggccatgg gtaaaccctt tgggtggttac cacctgattg aatggggggg gggtttgnaa 180
tgacnntctg gnaccaattg aattaaaaaa ngggggaagc ntttttttnc agttaagtn 240
gggggggttaa aaanggaanc caaccctgaa aatttggttt taaaactaac cttgccc 297

- REPLACEMENT COPY -

<210> 1107
 <211> 282
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 55, 61, 75, 79, 82, 88, 112, 119, 141, 161, 171, 176,
 181, 187, 229, 231, 243
 <223> n = A,T,C or G

<400> 1107
 aaaatgtgct atggaggcta aagaatggna cttcttaaag aaaatatttg cttnttgcaa 60
 ncgacggagt cagtnaaanc anccagtngc aaaaagggtt caccagggtt gnccttacng 120
 ggggaataaa aaacctgcca ntcaagctgc aatggattga nctctgcggg nggttncaaa 180
 nggaaanatt ttgttgaaat tgagcgtgct cggctgacta aacccttanc nctattaaaa 240
 gancaaaaagg gcgattgtga aaaaggctgc ctccctcctc aa 282

<210> 1108
 <211> 231
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 28, 35, 37, 48, 52, 58, 63, 66, 69, 75, 76, 78, 79, 86,
 97, 100
 <223> n = A,T,C or G

<400> 1108
 attttctttt acttcggtat ttcctntntt tattntnttt tttttctntc cntggtcntc 60
 ttntntgna atctnnncnt ttttantcag tattganaan acagccacgg ctgtggccca 120
 ctgcaaacgg ggtaaatggg ctcatcaagg tgaacggacg tcccctggag atgatcgagc 180
 cgcgcacgct gcagtacaag ttactggagc ctgttttctt tctgggcttt t 231

<210> 1109
 <211> 142
 <212> DNA
 <213> Mus musculus

<400> 1109
 ggaaggaag gttctctcaa cctgctcgtt gctcctatga gatgcctgtg gagttctgag 60
 tctgtgtggc taaaaccatg aagttctgat taccgaaaca gtgctggctt gatggaagat 120
 ctgtctggag aggttatata ta 142

<210> 1110
 <211> 429
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 302
 <223> n = A,T,C or G

<400> 1110
 agactgaggt tttgtggagt cggagctgaa gaagattctg tcagtgaac gagaggctcg 60
 cctctggaag gtgggcaacc ccgagggccg ggagctgctg acccagccag acatcacact 120
 ggaggaggct ggcattggtg acggccagca cctgctcctg gaggagatgg acgagatggg 180
 aaactggccc cctccagatt gagggccgtg ccggcaggag cccaccgtgc ccacactcct 240
 gggaccccag tctggcgtgt gcctcttctt gggacacatg caaggagtcc ctgaggccct 300

- REPLACEMENT COPY -

```
gngtttttggg atgaagtaac atcctgtgtg tgtgcgggtg gcctgcctgg cacttgctcc 360
taccctcgta gactcctgca gatgacgtta ttaataaaaa gcttagtttt gacatttcaa 420
aaaaaaaaa 429
```

```
<210> 1111
<211> 207
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 17, 18, 29, 58, 62, 63, 65, 67, 68, 69, 74, 86, 87, 91, 92,
97, 107, 144
<223> n = A,T,C or G
```

```
<400> 1111
atggagtatg ccttgtnntg ccagaccanc ccctattatt gcattgtgtg accctgtngt 60
gnnanannnc tttntatgca tcctgmncaa nntcttnaag gggccanagc cggcgcctaa 120
ctcgggggtcc atcacttggc tcantggatg accactttgc caaaacactt aggtgacaca 180
ttggcttttag atcaaaagca cccaaga 207
```

```
<210> 1112
<211> 147
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 35, 63, 66, 81
<223> n = A,T,C or G
```

```
<400> 1112
gtatcctggt ttatatattg gtctttgacc cgtnnggact tgagttttgt gcagaggaat 60
aantanggat ctatttggat ncttctacat tctgacatcc agtttgacca tcaccatttg 120
ctgaaagaag cgtgcctttt tttccag 147
```

```
<210> 1113
<211> 127
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 27
<223> n = A,T,C or G
```

```
<400> 1113
aaaactccat gagcctcctg atacagngtc agatgacgac aaagaccatg gaaagaaaaa 60
agggaaattt aagaaaaagg agaaaaaggac tgaaggctac gctgccttcc aggaagacag 120
ctctgga 127
```

```
<210> 1114
<211> 107
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 18, 68
<223> n = A,T,C or G
```

- REPLACEMENT COPY -

```

<400> 1114
cagcctggcc tacattgnga aacctcattt cgggaaagtg aaatactttg tcaattaaca 60
tgcaccnngg ttcaataaag acttttggaa agtgtcaaaa aaaaaaa 107

<210> 1115
<211> 173
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 24, 25, 29, 41, 42, 49, 75, 82, 87, 102, 104, 113
<223> n = A,T,C or G

<400> 1115
ggctggccta cgttgntaaa cctnntttng ggaaagtga nnactttgnc aaatttcatgc 60
agccggctca ataangactt tnggaangtg tcaaaaacta tncntggcta aanaatgggc 120
ctcccctctt ctttataaag cgtgtttgct gacattaaaa ttgaactttg atc 173

<210> 1116
<211> 162
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 58, 77, 82, 83, 88, 91, 99, 101, 103, 110, 114, 116,
117, 126, 137
<223> n = A,T,C or G

<400> 1116
taattacttc ttgtggaact ctcaaaggnc ggacaggaaa aaaaaaggag ccctaaangg 60
accggggggg ggggggnttt tnncccttngg ncacaaaana ncncccttn tttntnnggt 120
tgccengatt tcccttngta cctcccgaca tttttgataa aa 162

<210> 1117
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 83, 102, 103, 105, 108, 114, 118, 122, 124, 125, 132,
134, 137, 149, 150, 160, 168, 171, 183, 191, 193, 194, 224,
237, 250, 259, 271, 287
<223> n = A,T,C or G

<400> 1117
ctgaggtaca ccaggggttg gaaaaaccca ctaggcanag aacttgcac aagatcaggc 60
ctgaagtacg ttaaccgtgg ganatctagc tcgagaaggg cnntnatncg gacngctncg 120
angnnagata tngntgnccc attctaaann aggatagggn tgcccatnag ntagaacatc 180
tcntgcagga ngnnnggggtg acatgaatat taccocggag tgtntacttc ttccccngca 240
gctgggcctn tatatgtgnt gagagccgat naacaaaatg aatggtngta ttgtttacac 300
cacctg 306

<210> 1118
<211> 162
<212> DNA
<213> Mus musculus

<220>

```

- REPLACEMENT COPY -

```

<221> misc_feature
<222> 36, 37, 42, 46, 48, 99, 100, 103, 104, 111, 135
<223> n = A,T,C or G

<400> 1118
ttgtggaact ctcaaaggct ctgacaagga agcatnngca gntcananaa aggggcagcc 60
tggcctacat tgaaaaacct cattttggga aagtgaaann ctnngtcaat naacaatgcg 120
cgatggttca ataangactt ttggaaaggg tctcaaaaaa aa 162

<210> 1119
<211> 215
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 30, 35, 59, 72, 115, 180, 184
<223> n = A,T,C or G

<400> 1119
ctggggggggg aggaaaagac ncccggggagn ggganatttt ttttgagaca aaagatgtnt 60
tccagctgaa anacctggag aagcttgctc ccaaagagaa aggcataccc cgcntgtca 120
gtgaaaggaa gtccttcaac cctattggat gacggggttg ttgactgcaa aaggatcggn 180
accnccaatt actatggggc ttttcccag caggg 215

<210> 1120
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 53, 63, 72, 79, 85, 104, 124, 128
<223> n = A,T,C or G

<400> 1120
tgggatgcc a ggtctgtacc aacacaccca tttnttgtgt gagtccatca cangtgagca 60
aanaccgaaa gnaggcagnt tttnttttgt ttgggggggag gaangcttaa cggcccgtga 120
aaanaagngg ccaggggttt gtgcaaagcc gat 153

<210> 1121
<211> 304
<212> DNA
<213> Mus musculus

<400> 1121
agactgagat gtcaaaaaag attggtcgga ccatgctctc tgggtgggaaa agaagaggac 60
ttggctgctt aagacacact ggaccttgga taagtgtggc atccaggcag atgccaagct 120
ccagttcacc cgcagcaca aactgctccg cctgcagctt cccaacatga agtatgtgaa 180
ggtgaaagtg aacttctctg accgagtctt caaggctgtg tctgacatct gcaagacttt 240
caatataaga caccctgaag aactttctct cttaaaaaaa cccagagatc ccacaaaaaa 300
aaaa 304

<210> 1122
<211> 219
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 26, 33, 46, 55, 72, 79

```

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1122
aagggcctgt tgggggtggg tgcngnctag agnggaaaca atgacncctt tgagnggaga 60
aaccttttga tntctgtgng caacacggat cacaacaatc tgggggtgggg gctggggggtc 120
tgaacctgcc cttttttttt tgttagggac cttcttaaac cagtcaaggc tgccagaaaa 180
acctttttta aaacaatggg gcaaaaaaca cacacttgt 219
```

<210> 1123

<211> 240

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 30, 42, 47, 50, 55, 64, 73, 74, 76, 125, 126, 141, 158,
162, 178, 189, 200

<223> n = A,T,C or G

```
<400> 1123
cctcccccaa caaggccatt tgtgncccn ccctgtaaaa anggatnatn atgangaaca 60
cccngtggac canntnatca cccggtcttg ctgtgctccc tccctctttg caaagcaaag 120
attgnntggc ccaacaccaa nactggcccc agtgccancc cngaagggtc aggccttnaa 180
aggattgtnt gattgccan caggcaaaac gggggggagga gctgccaagg aaaaaaagc 240
```

<210> 1124

<211> 287

<212> DNA

<213> Mus musculus

```
<400> 1124
aagggcaagc agcgtggctc aagccgctca cctgcaagcc ttcgtcagcc ctgtagtcaa 60
gaggaagcca gcagcttcac tacgtagtgt ggaaagagat ctgtctgggtg acatcggacc 120
agcgtgcttg tgagatacat gtgcatgtgt gcaagatgac gggaggaaga agcaaggaat 180
gttttaagga atcttcgtgt gtagcagagt tttctctggt gactcgcaat ctatctctcc 240
tgaaaccagt aaatgaatta aaatgaatta acttaaagca aaaaaaa 287
```

<210> 1125

<211> 180

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 45, 47, 49, 53, 64, 75, 77, 79, 80, 82, 83, 123, 138,
142

<223> n = A,T,C or G

```
<400> 1125
cagtgtaca gtcacaggac acaaggacgg natgctggca catgntngnt gcnacacagg 60
atngtctatg acatncntnn tnncatgcac ccatgacac ttctcatcac ttttccccca 120
ggntacttct ttgctctncc tnctgaatt tatgtaaaac gaagtgccaa atttaatatg 180
```

<210> 1126

<211> 304

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 135, 207, 223, 235, 237
 <223> n = A,T,C or G

<400> 1126
 gtccacgtaa tctgggggaaa gcagttttctc tggaaaagct ttgcttccta caaacacgcg 60
 ctttccctga ggcctgcttg cagccattgg acacttggtc tagtgtgtgg atttctatgt 120
 cttctgtcgt aacanaattg tctctgtgcc ctgtgattgt tttgggtagg gacgctttgt 180
 atccttgtag agtagtcttg acgattntcc tcccctacgc cantttttgg ttggngnttg 240
 ctatctaaaa ctggtatatt tttctgttgg ctaaataaat caaagatttg gaacttttaa 300
 aaaa 304

<210> 1127
 <211> 286
 <212> DNA
 <213> Mus musculus

<400> 1127
 caactgaggt tggggattta agagtggaag attgccaca gctgtggcct cccatgaggg 60
 tgtccccttt caagttctca gaacggacgc aggactgcag atctgtgctg gcagcagcag 120
 aggctatatt cccagaggag tctccagccg gcctgaaagc aaatatccta agtgacatgt 180
 ctgccaatTT tgttctgggt gggcacattt ggtaatcctg tctgtaccac aggatcttct 240
 atgcctttta aaaataaaca tttgtttata aaccagaaaa aaaaaa 286

<210> 1128
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 74, 77
 <223> n = A,T,C or G

<400> 1128
 gattaaggcc agactgacct acattgagaa acctcatttt gggaaagtga aatactttga 60
 aaattaacat gcanccnggt ccattataag acgtttgtgg aaagtgtcaa aattaaga 118

<210> 1129
 <211> 110
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 34, 36, 48, 59, 61, 63, 68
 <223> n = A,T,C or G

<400> 1129
 gtaagggtttg ggctgatgta aatcctgnac aaangncata attacttntt gtggaactnt 60
 nanaggtncg gacaggaagc ctggctgggg tcatataggg tgccctgcctc 110

<210> 1130
 <211> 324
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 32, 50, 57, 67, 68, 80, 131, 148, 161, 171, 182, 187, 190,
 193, 196, 203, 219, 259, 261, 265, 293

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1130

```
ccaactgagc gtcctgagaa caaaatccta cntctgtcag cctgtgggan ggagganaga 60
tcatggnttc tgagcctgtn gagagaccgc agagccccct gcccttaaag ggcacacctg 120
gagtcctcaa ngatcaatag gaggtatntc tgggcagccg ntctatctct ncagctgtcg 180
gnaatcnccn gancangga canaacacgc ctcccaagnc tcctcataga gagctgggtg 240
cctgcaaggg ctctggaana nctgnacca ccgtgagaag ctctccact cantgcggaa 300
tgagccgagt ggtaggagc ttgc 324
```

<210> 1131

<211> 344

<212> DNA

<213> Mus musculus

<400> 1131

```
gaactgaggt ggggtctttc acctgaagct ggccagtttc ctgtgccaaa gccttcgacc 60
ttggaaagag cagcgcagtt ccaaaccaaa gtcttgggaag gaggaggagc catggttcaa 120
acctgtaaca aagaggcctg ctgtccagct gccgggctcc cttttggcca gcaagcaagt 180
caccctccca cctgcagtgg caccggcct ctaggagctg ctgactagcc tggctgagtt 240
gcttctaagc cttccaagcc tgagtacaga gagaagcctg gggaggagac agctgtgaaa 300
gagcaaggat agtccacctg cccctaccc aagttttgga cgtc 344
```

<210> 1132

<211> 315

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 49, 56, 66, 94, 95, 103

<223> n = A,T,C or G

<400> 1132

```
gctgtgaaaa gagctggagt ccatctctgg aggggctctg naacctganc acagangtgg 60
ggcctncgca aaagtgagga ctctgactac ctgnnagacc ttncaaccaa gtggcactga 120
atagctcgag tcactcttct ttaaacaatc ttcttttaaa caatcacaag cctgctccca 180
ggagcagtga tatcattggt tattctactt aatgaaatca taacatcagc attataaaaag 240
ccccatcact gtaaaagccc tcaatagttt tccttcctcc ttcccatctc ctgctatcga 300
ttgaggaatg taagc 315
```

<210> 1133

<211> 322

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 112, 113, 128, 134, 153, 157, 167, 170, 205, 214, 234, 293, 304

<223> n = A,T,C or G

<400> 1133

```
gaagaggggt ctttcaccac cagcccaagn actctcagct gctctgcaga agacacttcc 60
ctgcacgcc ggagtcacca aagatgtcag ccactgagtg tccagttccc cnngctgggg 120
agaggagnng gggngccgga gaggagggaa ccntgggnagg aaactgngan gggctctcat 180
ggttgcattt cgcacccttc cctantgtcc attngtctgt ctgtctgctg tccntgtgtt 240
tgtagctttc aggttttttt tcctttccct tttttgttg gagttttgag acntttttgt 300
accnggggga ttttatattat ca 322
```

<210> 1134

- REPLACEMENT COPY -

<211> 181
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 50
<223> n = A,T,C or G

<400> 1134
caggaagaat tgcagagaca ttcagaagga ctgcaaaagg ccgacgaagn ggctcagcgg 60
ataaagggtgc ttcggtacca gccggagaag caacttccca gagttatcct ctgagcttca 120
cacataacat ctctcccctg cacaccatac aatactaata aatattttta aaaagaaaaa 180
a 181

<210> 1135
<211> 277
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

<400> 1135
tccaccagaa ataccnccag acccagggttg ccctcagaag gaaccaggct ggctgatggc 60
atggcagacc tgaagggtatt gctttaaaag gagggaaatca ggcctgaggc atcaggcctg 120
aagggctagg caggggctct gcccaggagg gccctagcca ggcctcagag cctcactgga 180
gggtagtcat gggctaaggg cccaggctga ctgcatttcc actcccttcg gagacttatc 240
gctatcaaat aaatatagaa aagagccctc ccccgcc 277

<210> 1136
<211> 275
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 37, 66, 79, 82, 85, 109, 118, 122, 124, 145, 151, 155, 159,
169, 175, 178, 185, 202, 208, 214, 217, 218, 220
<223> n = A,T,C or G

<400> 1136
tccctgactt tgttttcact gagaaggagg gcatgtntga tggcagctgg gccctgggctg 60
atgtcntgag ccagctcang angangcggg cagccactac actagatgng aagattgnga 120
angnccggaa gagaaggatg gctgnggact nggangccna gtctgggang gtggnggnga 180
atganggcca ggcagactct gncctgangg ggcnggnan tccgggtgag gatgaggcag 240
gctccaagga tgaagactct gagactgact actcc 275

<210> 1137
<211> 128
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 21, 43, 44, 77, 78, 87, 88, 96, 109
<223> n = A,T,C or G

<400> 1137

- REPLACEMENT COPY -

```

ttgaaacccc tgagtggntt ngggctgagt aaaacctggg cannggccat aattacttat 60
tgtggaaatc tcaaaanncg acaccannaa agcatngcta gggtccttnt ttttataaat 120
cttaacct                                     128

```

```

<210> 1138
<211> 142
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 17, 42, 44, 68, 70, 75, 98
<223> n = A,T,C or G

```

```

<400> 1138
tggagtgtgt ctgtctnaag tgtattaatg acgcctgcc a nangtggtg ggaaagtccg 60
tgaaactncn atcancaggc taggtagtga tggctcantg gttaataacc accgactgct 120
cttgataagg tcctgacttc aa                                     142

```

```

<210> 1139
<211> 231
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 35, 48, 52, 65, 78, 81, 106, 125, 138, 147, 158, 160, 171,
198
<223> n = A,T,C or G

```

```

<400> 1139
gttaatgaca caggcacagt tggaagaggc tcttnactgg cagttgangc cncttaaggc 60
cattnaagat gccccccntt ntggaagaac gaaagcccat aaatgncgtt ttatctgggg 120
ataanatctt ggaagggnac agaaacnaac caatatgngn ttactgggat nttcattata 180
acataccccc tcgggggncg gggttttggg gggttggaaga aaccaaccgg g      231

```

```

<210> 1140
<211> 265
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 51, 53, 60, 69, 71, 73, 78, 127, 128, 132, 138, 150, 162,
176, 177, 178, 188, 228
<223> n = A,T,C or G

```

```

<400> 1140
gccccatgtc ctttgatttt ggggttgtttt gttgtgttga gacaagggtt ntntgtgtan 60
cacgttgtna ntntgtanac caggetggcc tcaaaactcat atttgccctc ctctgtttcc 120
cagtgtnngg antaaagnca tgggccaccn ctggggacaaa tntgaacatg gaaatnnnga 180
tagtagcngg gtataacaca ctgcctaaaa caggggaccca taaatgcnat gacctaaata 240
aattaattaa ttcaaacaaa aaaaa                                     265

```

```

<210> 1141
<211> 175
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

- REPLACEMENT COPY -

<222> 39, 46, 58, 78, 118, 119, 122, 128, 156
 <223> n = A,T,C or G

<400> 1141
 aggtaaaacc ctgggcaaag gccataaatt acttcttgng gaactntcaa aggtcgtntca 60
 ggaaccataa aaaagacnca acttttttgca gattaaggcc agcctggcct acttttganna 120
 ancctcantc tgggaaagtg aaatactttg tcaatnaaca tgcaccttgg gttca 175

<210> 1142
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 83, 85
 <223> n = A,T,C or G

<400> 1142
 actgaggag acatccaggt accaacctgc cagaggagag agtgcactta ccgaataaaaa 60
 ctcaagtga ccccgagaaa aantntcaaa ggtggggggg ggggggt 107

<210> 1143
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 38, 39, 40, 47, 50, 55, 72
 <223> n = A,T,C or G

<400> 1143
 tttcatcctt tcgcctnttt tgttctactg agtgggtnnn ccctgangtn taccngggca 60
 gagccataat tncttctcgt ggaactctca aaggctcggac agg 103

<210> 1144
 <211> 267
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 24, 68, 69, 75, 88, 89, 123, 126, 139, 144, 147, 151,
 155, 163, 164, 165, 183, 186, 212, 236
 <223> n = A,T,C or G

<400> 1144
 gatccctcgg agctgaanag gatnagtcgg ttataagcct cctgacgtgg atagctggca 60
 cggaaaacnng ggccntctgg aaagaacnnc aagttgttct tagctgctgg gagtgtctct 120
 gcngcnccca aggaggganc ctgngcngat ngganaagca gtnnngagga ttctacagtc 180
 aantcnttgg atgaagtgtg tgcccatgca gngccccagt cctagcctgt atgtcnccag 240
 gctcttcatt cttctctggg cccccaa 267

<210> 1145
 <211> 357
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 52, 113, 126, 131, 149, 167, 170, 318
 <223> n = A,T,C or G

<400> 1145
 taactgaggg gatcttacag aaggctgaga cactgtacac catgggagac tntgagtttg 60
 ccctggtagt tctatcatcg aggctacaaa ctgagacctg atcggggaatt canagtagga 120
 attcanaagg nccaggaagc catcagcanc tcggtgggaa gtccttnttn aatcaagctg 180
 gagaacaaag gcgacctctc cttcttaagc aagcaagctg agagtaagaa agcccaacag 240
 aagcatctgc ctataaagca actctcgtac agcaccaagc atgaaatcaa gcggaagggc 300
 tcgctcaaga gcgagaanac cgtgcggcag ctgctcgggg agctgtacgt ggacaag 357

<210> 1146
 <211> 155
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 26, 41, 100, 126, 139
 <223> n = A,T,C or G

<400> 1146
 aactctcaaa ggcccgnccg gaagcngctg tgacacaaaa naaagccagc ctggcctacg 60
 ttgacaaacc tcattttggg aaagtgaat actttgtcan ttaacatgca cgttgggtca 120
 ataaanactt ttggaaagng tcaaaaaaat taaaa 155

<210> 1147
 <211> 107
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 63, 68
 <223> n = A,T,C or G

<400> 1147
 gcctggccta cattgagaaa cctcattttg ggaaagtga atactttgtc aattaacatg 60
 canttggntc aataaagact tttggaaagt gtccaaccaa aaaaaaa 107

<210> 1148
 <211> 274
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 40, 45, 75, 86, 115, 140, 145, 147, 163, 165, 168, 170, 171,
 177, 193, 204, 217, 223, 233, 238, 246, 257
 <223> n = A,T,C or G

<400> 1148
 atgttttcta taccaacact actgaactgg actgctggtn tattnatgaa ggggttgctg 60
 ctctgactt ctatnaactg aactgntgat ttcctgacaa tacagaacgg gattntgctt 120
 caaagaaaaa tttctaaacn ggatncnttt gaccatttaa ggnctgncn ngacacnatt 180
 cccagccctg agngggggat ttgntcggac cttttcnaag aanaactctt gtnacaanaa 240
 gatgtngatt cttgganacc tggccaaaga aacc 274

<210> 1149
 <211> 167
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 32, 40, 42, 43, 47, 54, 67, 69, 77, 83, 101, 103

<223> n = A,T,C or G

<400> 1149

```
cgtttccttt attcctcctc ctcttntcag gntttcttcn gnnttcncct ctangccacc 60
ccccgntnc acaccantga agnggctttg ggctgaagta nancctgggc agcaggccat 120
aattacttct tgtggaactc tcaaagggtc ggacaggaaa aaaaaaa 167
```

<210> 1150

<211> 454

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 41, 45, 49, 63, 77, 79, 82, 89, 90, 92, 100, 101, 106, 116,
120, 122, 124, 128, 136, 149, 155, 162, 164, 166, 171, 178,
179, 188, 203, 206, 219, 224, 238, 240, 254, 256, 322, 338,
355, 374, 378, 381, 411, 422, 437

<223> n = A,T,C or G

<400> 1150

```
actgaggcca aggaggtaac ttgtatgctt ctgctccata nagtngaana ttggttggga 60
ctnactcagc attttancnc tncattggnn gntttgttan ngggtnccca gaccncatn 120
cncngttntc aagaangggc cagtgaagna tgggnaggcc tnanthacga ngtggcgnt 180
accctacnct ttttgattac tcngtnagga agcatggcnc tacnttgcaa aacacatngn 240
ttgtatttaa cacntntgtc tccccatttt cccctgccct tttacatttg ggctttgtta 300
tagggttggc cgcccggcag gncagaccag accaggcngg ccagttcctt tggcnaacga 360
aagggcatcg aaanactnaa nccatgatcc cacttttttc ccccttgggc nggggggcct 420
tnccaacggg ggggctnaac caaaataggg ccct 454
```

<210> 1151

<211> 162

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 19, 132

<223> n = A,T,C or G

<400> 1151

```
acactgaggt tctaantgna aaatctgaca tcaatggcac catttggaac aactagtgc 60
actgtacttt attttgttat caagaataaa gagtgattgg agctcttggg cagagagaga 120
ggaccctgct cngcccaggg catcgtaaac tttccaacac tg 162
```

<210> 1152

<211> 340

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 29, 34, 35, 50, 65, 76, 83, 118, 125, 144, 149, 150, 160,
177, 188, 191, 192, 234, 242, 247, 249, 259, 269, 281, 290,
309, 310, 324

<223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 1152
tgagtagcaa cccgcgccat ggagcaggnc tggngtggg cccagcgcn cccgcgccg 60
gccntgccc cactgncggg ccnggcggcg gaaccgaggt gatccaggtg accaacngt 120
ctccnagcgc caacttcaaa gcanatgcnn acgcttttcn gcttccttgg caagatngac 180
aaactgtnc nnttcccgcc ggtatgacta acctttggca ggctccttgc gggngtgctt 240
tnttaanant ccatgaatnc atacttaana ggggtggggc ncaagcattn tttgaccaa 300
ccaacgtggn ggtttccgat gggncagaaa actttttgga 340
```

```
<210> 1153
<211> 112
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 36, 37, 52, 80
<223> n = A,T,C or G
```

```
<400> 1153
gaggccataa ttactttctg aggaactctc aaaggnncgg tacaggaatc cntgaggaac 60
accaaaaaatg aggcccccg gn gaataacctc cacaaccctt gtcggccctt ca 112
```

```
<210> 1154
<211> 212
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 27, 28, 33, 48, 81
<223> n = A,T,C or G
```

```
<400> 1154
caggggtgtg agtgagatac gagctgnncc tgntgacctg tgaactgngc tgccgatttc 60
cagacaacat agacaggaat ngctccaaag aacctttcta aacagggtcca ttcaccctct 120
ctcttccata tcctttcttt ccactacct ttggtgggtg ctgggctaca aggaaggcta 180
aagcatttaa gaaccactat taaaaataat tt 212
```

```
<210> 1155
<211> 193
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 44, 62, 65, 82, 97
<223> n = A,T,C or G
```

```
<400> 1155
tggctcatgc ctggtgtcta gcctgccgag aggacgggtc tgcngcctgc tgggtcatat 60
tngngattg ctacagggct gnactgctgc ccaagangat caagcttgcc cccaaagaac 120
tactgatgaa cagctccact tccctcataa cctaaaatct tttctttcct actcactctg 180
ctgagtgggtg ggc 193
```

```
<210> 1156
<211> 189
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
```

- REPLACEMENT COPY -

<222> 19, 49, 101, 111, 133, 134, 155

<223> n = A,T,C or G

<400> 1156

```

gcccgaacatt ttactttanc taccaaataa taggatcagg tggaaagcnc tggcctgggtt 60
tctgtccctg tgggggtttgc ttctgatggg ctgtggcctg ngcctggcca ntaccaagtg 120
cctacaggcc agnngcttac actggcaaca caagntgctt cccagtgga tctgggagag 180
ggttccttg                                     189

```

<210> 1157

<211> 205

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 22, 33, 41, 45, 61, 93, 104, 126, 128, 130, 146, 149,
153

<223> n = A,T,C or G

<400> 1157

```

atgagcgcta ctttgancaa cncaaggagg ctnccttctt naaanaaact gggtcgggtcc 60
nttattacca acgttcggaa gaacctaac ttncacacac tcanccagga atccctcctg 120
aaggantncn tccaaccatt ctccngang ctncactgcc ttgacagcca catgactgcc 180
tttaccatcat ggaggctcct gggct                                     205

```

<210> 1158

<211> 177

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 63, 77, 82, 83, 94, 97, 99, 120, 152, 155, 160

<223> n = A,T,C or G

<400> 1158

```

acagctcttc tttagaggaa ncaggaggaa tatgtgggtgg aaaagggttgt tggacaggcc 60
gcntgggtatt aggggcnaaa gnnggggaata tctngtncna acgtggaata ggctttttgn 120
ttgaggggagc accaattaac tatggtgaaa cnctnaggan aggaaacttt ggaattg 177

```

<210> 1159

<211> 335

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 37, 49, 50, 53, 93, 97, 102, 108, 111, 119, 120, 129, 141,
147, 158, 163, 171, 210, 218, 256, 275, 307

<223> n = A,T,C or G

<400> 1159

```

cactgaggtg cgggaggaac taagaagctc aactgangct cgcttccggn agntgctggg 60
cacggacccc cacgcacgtg gacggtcacc agnacngca tntgcttnca ngcgtgtggn 120
aagtgttcnc cgaggcgtg naggcgnacg gggctccgntt canacggctg ncggcagaac 180
gtggcgtggg cagctgcgcg tggtcgaan caccaaaangc gcgccttcgc ctgcacgggtg 240
gagcgcgatg cccggnccgc aattggcccc ttctntcgcc acggcctgcg gtgaacataa 300
gccttttncaa ctacatacaa cctgcccacg tccta                                     335

```

<210> 1160

- REPLACEMENT COPY -

<211> 304
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 45, 57, 59, 77, 109, 146, 155, 201, 207, 221, 239, 240,
 243, 245, 264, 280, 288
 <223> n = A,T,C or G

<400> 1160
 gcagggtttat ggggggcnca aaggacatga ttatgtgtat gacnnttcca taagagnngng 60
 atttacactg gctggnttga tggcagcatc caggctgtga ggctcaatnt gatgccccaaa 120
 ttaccgctgt tgggggggatg gctggncctc tgatntttgg gcgttggggg atcactttga 180
 aaacaaacca cttgcttgac nggaccnccc caatccccaa nttttcaaaa acctttaann 240
 ggncaaatgg ggggaactgg ggangccctt tttttttacn gcccgggnaa gggattccaa 300
 cccc 304

<210> 1161
 <211> 190
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 44, 59, 91, 98, 113, 135, 153, 162
 <223> n = A,T,C or G

<400> 1161
 caccagcaaa gaacacactg ngctctgggg agaagggcag attncgcttc gtctgccngn 60
 gttccaggac actcttcaaa agcgctgtt nacacgcnc ctttgaatac acnaagactc 120
 ttctgccac cactntggaa gcgggctccc tanaagtcta tnaaatatga atggacccat 180
 gaccataaa 190

<210> 1162
 <211> 488
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 35, 40, 60, 77, 108, 117, 125, 137, 163, 208, 245, 248,
 339, 386, 388, 405, 422, 431, 438, 444
 <223> n = A,T,C or G

<400> 1162
 ttaacaaaat ggactaatcg atccccgtnga taganctggg cagatcttaa gccaatcttn 60
 gtacccttgt caccncncac atgggacatt aagagaagca tggggccngc atcattnaac 120
 gcgcnaagc caactgncag cacacaaaact actgaggatg canggctgct tgacctccac 180
 tagatgggcc ctctgtgcct tcaactcctg aggcttgggg acagagaatc ccccttccc 240
 ttctntgnag cacctcccct acacacctgc ctacatcatg gaactgcctt aggcgcacat 300
 cattctatgc ttacgccaca aacagacccc caagactgna ggaagaaacc aaacctttga 360
 tgattgaacc actcccctgt gtaggnngnca ttggtgacat aatantacac gccttggggc 420
 gngcctctgg ncatcaancc actnccctac aaaaggacaa cacacactca tttaaaaagt 480
 gaggtgga 488

<210> 1163
 <211> 179
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 36, 37, 38, 54, 55, 65, 94, 109, 134, 137, 138, 147, 155
<223> n = A,T,C or G

<400> 1163
aaactggctg tggggaaaact ctatgacatc gatgtnnnca aagtcaatac cctnntagac 60
gcccnacgga cagaagaacg cggtatgttc gctnggctcc ctttatgang ccctaaatgt 120
tgccaacaaa catnggnntc atctaancat gattncagat ggctaaactc taaacttat 179

<210> 1164
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 110
<223> n = A,T,C or G

<400> 1164
gactgagaga ctctaaaaca acagacagca ggccgggtgga agctctgact gcagaggggtg 60
catgctcctt ctgaggnttg ggagctgctc atctatctga ctttggcggn gattacacgg 120
gtatgtacac ttgtcaaact tattactgta catgcaaagg aagtttagtt cattacatgg 180
caaattatac ctcaataaag ttgactttat cccatt 216

<210> 1165
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 31, 47, 74, 94, 102, 116, 125, 137, 141, 146, 171, 190,
194, 207, 222, 225, 239, 247, 298, 310
<223> n = A,T,C or G

<400> 1165
caggaggtcc tgcttgggnac acctgctgcc nagagatgat ctattgngaa gtacttgatt 60
tgctcaaagt aagntatcct cattatgggc caangccttt gncatcaatg tggccttgc 120
tttgnatgct gatacantgt ngacctatc tggattctaa tgacaagtgt nccaaacagt 180
atcatcctgn atgnacaact atcgganaaa cttattgcca tnaangtact ttctgcaang 240
cactganact tgggtacaatg ccttcctctc tattatggaa caaaatcact ttcattcngg 300
ccttggtggn ccctttttac tatggaacta cttttgc 337

<210> 1166
<211> 152
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 31, 37, 39, 43, 49, 85
<223> n = A,T,C or G

<400> 1166
ctgcaaaggt ctgggtaaag gncctgtctt ngaagtnrna gtnagatcna caccctgggtg 60
gtcacaactc ctaatgaaat ctgtnccttt ggagtgtgta agacagctca gtgtcttaca 120
tataataaat aataaatctt taaaaaaaaa aa 152

<210> 1167

```

- REPLACEMENT COPY -

<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 21, 32, 46
<223> n = A,T,C or G

<400> 1167
gacaaataaaa aacaagcnag ncagattaag gncagcctgg cctacnttag agaaacctca 60
ttttgggaaa gtgaaatact ttgtcaatta acatgcagtt gggtcaataa agacttt 117

<210> 1168
<211> 200
<212> DNA
<213> Mus musculus

<400> 1168
actgaggagac cagagggtgaa gatgacttca gttatgcaga tctacttcac gaatagggat 60
cttcttgatg ttcccaaact ccccttgggc ctgaaaaggc ctaggtttct cttttcccaa 120
gttaaggatg gcggcctcgg gccttacctc ctgttacctt gttaccttta aaataaagg 180
gccaggaaa gagaaaaaaa 200

<210> 1169
<211> 102
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 23, 41, 43, 52, 55, 56, 69, 73
<223> n = A,T,C or G

<400> 1169
cccgtttaaa accccactna agncgggttg gtctggggta nancctgggc ancannccat 60
aattacttnt tgnngaactc tcaaaggctg gacaggcaat ta 102

<210> 1170
<211> 125
<212> DNA
<213> Mus musculus

<400> 1170
aggaccacaca caacagaaaa gaaccaactc ctgaaagttg tcctctgact tctactcata 60
tactgtgacc tgcattggga cgcattgtctg tataccgtgt acacacacat acaaaataaa 120
taaaa 125

<210> 1171
<211> 112
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 24, 31, 42, 76, 91
<223> n = A,T,C or G

<400> 1171
gggtttttta ggggggggacc actnattaaa nttctctgag gnagatcctg ggcacaaggc 60
cataattact tcttgnggaa ctctcaaagg nccggacagg aaccatgggt gg 112

- REPLACEMENT COPY -

```

<210> 1172
<211> 217
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 36, 63, 64, 73, 78, 110, 112, 116, 144, 147, 165, 167,
174, 177, 185, 189, 191, 195
<223> n = A,T,C or G

<400> 1172
tttgacagat cccaaccgtg cccgcttcnc tctgcnagag ctgagggagg cgctgctgga 60
acnnaacaaa gcncaagncg caactgctgc tgggtgcaaag aggaactgcn gngctncaaa 120
gaagtgggtct acttccaccc actnganact ccagggaggg aagananaat aganggnatg 180
cctgntggnt ncctntgggc caacgagcga gaaaggg 217

<210> 1173
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 47, 62, 66, 77, 82, 91
<223> n = A,T,C or G

<400> 1173
ccccgaagcc aacagacatg gtgcgaaaag gcaaagaccc ccattantac agacctactg 60
gntcgnctgc aaatacngag angtcctcct nttatttcaa aaagctctgc t 111

<210> 1174
<211> 202
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 28, 33, 49, 52, 58, 68, 70, 82, 108, 123, 124, 125, 138,
145, 148, 159, 160, 170, 176
<223> n = A,T,C or G

<400> 1174
atcgggcat atagttanga cttccganga cangtagatg ctggggcgnc gncctcctc 60
gcaatgcntn ctcagccatt gncgtgggga atggttttgt ggtgctenca ggccggccat 120
gtnnncatcg tcgagatntc tactnacnaa tactggcggn catggccttn ccaagngtcc 180
atctggttgg cattgacgtt tt 202

<210> 1175
<211> 187
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 56
<223> n = A,T,C or G

<400> 1175
aactgagtga gctcgctca agctcttttg ctgcagaaat gcacggaaaa tatgangagg 60
atcctgaaag aattctctgg cagagagcac atcttgtttt cggccggcat ttgttcgtcg 120

```

- REPLACEMENT COPY -

tcgtcgtcgt cactacctac attccccgc cgtgttcaca tatgaaaaca attattttctc 180
agttcag 187

<210> 1176
<211> 403
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 211, 214, 215
<223> n = A,T,C or G

<400> 1176
atgatcagca agcttttgaat tcaatcatgc aagatttggc tgccttcat aaggccagtc 60
ggccagcatt atcttttaca gaaaccagga aagcaaaacc ttcacacca aaaaaacaga 120
atgatgttcg agtcaaattt gaacatagag gagaaaaaag gatcctgcag gttactagac 180
cagttaaact agaagacctg agatctaagt ncannatcgc ctttgggcag tctatggatc 240
tacactatac caacaatgag ttggtaattc cgttaactac ccaagatgac ttggacaaaag 300
ctgtggaact gctggatcgc agtattcaca tgaagaggct tcagatatta cttgtagtaa 360
atgggagtag acaggctact aatttagaac catcacgcgc acc 403

<210> 1177
<211> 405
<212> DNA
<213> Mus musculus

<400> 1177
actgagggga cctggctgac acctggactt ctcatcgctt acctcctcag ccagagggcc 60
caagctcaac aagccttggg ctctaaagac tcccactctt ggagagagac tgagctgtac 120
tgaagccac agctcctctc tctgggatga agttactaaa ctccgatccc agcttcaggc 180
tcaggctcag gtgactgagg cgctgaagca ttctgtacag agcctgttga aggatcgggg 240
gcaacatatg ttcaagatca gtgctctaga agcatcacta aaactgctgc aggagggccc 300
caaagggaga gcccttctgg agcaatgcct ggaagggctg aaaaaggaac tgcagggcct 360
tcggagtcag ggtcaagaac tagtcccaa cccaatggaa ggcag 405

<210> 1178
<211> 590
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 230, 390, 479, 503, 563, 573
<223> n = A,T,C or G

<400> 1178
gtttcagcaa ggtggtacca nccccggagg ctaagccgc tccttctctg aacagaccca 60
aaacccacc tccagcccca gtccctattc ctgtgcgagt gagccctact cccctgcagc 120
caccactcct caccaggct gcagtgtgcc cagccctgat gccatcccca gctcccgccc 180
tctctggaat agggagtgcc aaagcccccg tgaggagcgt cgtgactgan acggtcagca 240
cttatgtgat ccgtgatgag tggggcaatc agatctggat ctgtccaggg tgcaacaagc 300
ctgatgacgg gagcccgatg attggctgtg acgactgtga cgattggtac cactggccct 360
gtgtgggaat catggctgct cctccagaan agatgcagtg gttctgcccg aagtgtgcca 420
acaagataaa gaaagacaag aagcacaaga agaggaagca ccgtgcgcac tgacatcanc 480
gtgggcagga ctgctgcct gcncgggtc ggggctgggc tggttctgcc atcctgtctc 540
ccccgggccc tgtggacttg cancgcatc canaggaaca aggacaatat 590

<210> 1179
<211> 412
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1179

```

ttaccaatct gaatggccac accgctcgag tcaactgcct gcagtggata cagtacagag 60
gatggctccc cttccaatga gctggtgtct ggaggatctg acaatcgggt gattcattgg 120
gaactagaga ataatcaggt tttaaaatca gtccgtctcc aaggccatga aggacctgtt 180
tgtgctgtgc acgctattta ccagagtggg ccatccgaag gggagcagca tgcgctgata 240
gcttctgcag cttcagattc tactgtgcga atctggtcta aaaaggggtc tgaagtcaaa 300
taccttcaga ccttgagctt caaggatgga ttcgttcttt tctgtctgct gctatttgcc 360
tggtactaat ggtaagtgtc ctgctattta ttaaaagaac gcataaagtt ag 412

```

<210> 1180

<211> 164

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 21, 22, 24, 26, 28, 30, 47, 48, 50, 51, 70, 80, 92, 100, 110

<223> n = A,T,C or G

<400> 1180

```

agcctgggca cgaggccatn nntnctntn ggggaactat caaaggnncn ncaggaagca 60
tggtctgagtn catatatgan ctgaaacaaa gnatggccgn gctggagatn catcgtgtgc 120
tccggcagac aggccagcct gaggacgacc aggcgtccac aaaa 164

```

<210> 1181

<211> 418

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 130, 136, 145, 169, 355, 359, 364, 369, 370, 397

<223> n = A,T,C or G

<400> 1181

```

cacctggcct ccctgaagggt gtgtctactg gaatggctac tatgcagttc ttacatagtg 60
gtgacttacc actggccacc ctgacctctc ctctgtgtct ctgggggttcc ctttcattgg 120
ggtgaggaan caaggncaaag gtcanagtgc ctcttgaagg ttctccana tatgggaact 180
ggggcctctt ccctggaaat gagggcaggg acccagttcc atcctgggggt gtgtccccag 240
atacagcctg ggttaaagggt cagggattca tgggtctgac ccaggctctc tgagaaggcc 300
ctgtcattcc tgtttgtgat gttctgagga tgcccatctg taggttttta ttttnaaanc 360
aagntccnn ccaccggcca ttttgccac tgctttntat tttggtttta tcctaaca 418

```

<210> 1182

<211> 390

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 242, 244, 246, 247, 250, 253, 254, 255, 256, 257, 261

<223> n = A,T,C or G

<400> 1182

```

gtgtgcttgt caatgtccca gacatgaacc agcccaggcc ccgctacgtg gtagacaaga 60
gctgcgtact ccctctccct cttcgatgat gagtttgaga agaaggaccg tgcctaccg 120
gtgggagaga agcttcgcaa cactttcagg tgctcctcag ccaagttcaa agcctttgtg 180
tttgggctgt tgctgtgtct ctctggctc ctaaataca agatcaaaga ctacatcata 240

```

- REPLACEMENT COPY -

cncnannagn tgnnnnnnact nagtggggggg tgtatccagg tgccacaagg catggcattt 300
gcattgctgg ccaaccttcc tgctgtcaac ggtctctact cctccttctt cccctcctg 360
acctatttct tcttacgggg tatggcagct 390

<210> 1183

<211> 435

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 65, 229, 235, 243, 245, 250, 255, 297, 302, 328, 340

<223> n = A,T,C or G

<400> 1183

actgagagtg aggatccatg acctccgcag cgataagatc gccctgtcgc tgtctgcca 60
tcaanctggg ggtgtccgca gtccagatgg atgactggaa ggttgtcagt ggaggcaagg 120
aggggctggt gtctgtgtgg gattaccgca tgaaccagaa gctgtgggaa gtgactcca 180
ggcaccctgt gcgctatctc tccttcaata gacacagcct catcactgnc aacnggccct 240
acnanaaggn gctngaaac tccgacctcc acaactttgc ctgtcacagg agacatngtg 300
gnctgatcca tgcctatgaa tttgctnggg accagctggg ctttcagagc ccccttctg 360
tctgccgctt acccgtgac atcatggctg gatacaagct atgacctcgc actgtctttt 420
ccccatgaaa agata 435

<210> 1184

<211> 304

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 51, 54, 174, 187, 189, 198, 204, 259

<223> n = A,T,C or G

<400> 1184

gaggtctggg gagtttcaaa ggacatgctc tccctgggag tttcttcttc nccntgggct 60
tttgggggac tatgaagaac atcctgaaat ctgtctacaa aaggcaaact cgaacctgct 120
accttaactc taaaacatta ttaccgtcgg acagagattt gggaaggagt tgtngtgctt 180
ttaatgncnc tcaactggat agcnggtgaa cagtttatct caggaggacc tgccttgatc 240
ttgcataaag atggccagng gaaccagatc ctgggctggc atcacacaac catgtactta 300
ttgg 304

<210> 1185

<211> 135

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 29, 31, 43, 50, 55, 61, 65, 81, 86, 100

<223> n = A,T,C or G

<400> 1185

tcaacaagat gcacangctg atgtctaant nattgctgtc ttnatcatan caacntggct 60
nacantagtt acttaggacc ncaggntgtt tataaattan cttacaataa acaacttaca 120
atgagaaaaa caaaa 135

<210> 1186

<211> 640

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 36, 48, 315, 413, 551
 <223> n = A,T,C or G

<400> 1186
 aggctccctt atggaactta agacagtcca ggcagngcac gtccctgnga ggtcgtccat 60
 gtcccagaaa gagcagccga ttcctggatt gcgagagtcc tgtgcacgta tttatgagcc 120
 tgtccccacc gaaagcagta atccttcagg ccaagccatc caattttaaa ccccgtgcc 180
 ttgttcacgt tgggtataca gagactcaga ggcgctagtt aatggccagc ctgacctgtc 240
 ttccttgtgt ttcgggggggt gaaaggaggt tccaggagaa taatgccctg gaatatctctg 300
 aggctgaaat gttgngtctc ggatagacag agtacttctc cgtgggtcct cctgcacaga 360
 agcccccttc tgctctgttg tcaatcactg ggtagttttt ttgttatgtc tgnttctgtt 420
 gttctcttct tctctgggttg atcttaactc ttggaaatac acagtgcctg tcaggtttgc 480
 ctgggtcccc tgtgtgacct tccccccac acacacacaa agttaaccag ctgactggga 540
 gcaatgctcg nggaatgggc cagtcacttg aaagacagac cttcaagcca gcaatgggca 600
 actggagcga gcacttaaag cgcacctttg atcttccctt 640

<210> 1187
 <211> 469
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 24, 30, 60, 443
 <223> n = A,T,C or G

<400> 1187
 aactctgtta tggatccaac aacnacaccn ttctaattggt taccgcagca cacagcccan 60
 caaccacagg gtggtggaag ccaatttcct gaacgtcccg gatatgtact cttcgtacca 120
 cctttaccta aaaaacatgc agaaggagat tctacaacct aagaaacaga agaaaacaaa 180
 gaagaaccgg cactttttgga gccggaaatg acacactggc cccagggctc accctgcccc 240
 ttgtctaagg aatcctggaa tgtgggtctc cttgctgcct tcagcgagtc tctgattaac 300
 ccagagggag ttctcctccg agagaagaag tggagctacg ttagccagaa gagaaaggga 360
 tgtgggtgag agggaaaaga cttcgacgga cgtgcaaaga aatcaagcct ttcataattc 420
 cctgtcaatc attcacctaa agntgggggtc cacagatgca gctcatggg 469

<210> 1188
 <211> 418
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 165, 168, 173, 194, 213, 238, 252, 257, 321, 337, 365,
 394
 <223> n = A,T,C or G

<400> 1188
 ctggacagac gcctgcccc acaaagaant tgaaaagtag aaatcctatg acatgccatc 60
 tctgcttttg taccagaaag agagcttgag cctctccatg gcttccaacg cttcgagag 120
 tccagggtca ttctgagagc actccttgga gttcttctgc ctggngancc ttnttggtgt 180
 aaagaactca cagnacgtta tccaatccct gtngccatc aaaaaccgtc tgtgcctnat 240
 ctttctttga cnetgantga agaaccagga tctgatgact tctttccgta gtttgaagag 300
 aacaactttt gagagttggt nctctcctat tctgtgngac ccagggatga cactccaacc 360
 atcangcttg atagccgggc accaaggtaa cttnttgagc caccctgggt ggggcctt 418

<210> 1189
 <211> 447
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 374, 386, 397

<223> n = A,T,C or G

<400> 1189

```
gactaacctg ttgctcaatg ctagatacac tatactgagg aatctttgag aagccaggaa 60
gaaaaataat agaatgagaa gacctgaaga ctaaactgcc ttttcattcg ggcgttggct 120
gctagctaat tgcactaaac cacactggag agcatatata cattcatata atgttcgagt 180
tttgattgtt cttgttaatg tactttgtta ggattaaatg tcaggattct gttcatacta 240
ggcaatttga agaaaaagtg tttagcactg tttgcataaa agaacaagga gatgagcaag 300
atgaaagctg gtttcaatgg gggtatttta agaaaccagc tattttcaga aatacatggg 360
gtttttttca atgntataga agctgngtaa tttacntaa tcccttaacc tcttggaacc 420
catacaagtg ataagaaggt tttatgc 447
```

<210> 1190

<211> 181

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 88, 116, 130, 159

<223> n = A,T,C or G

<400> 1190

```
cccaacaggc tggggccacag ccaactgcac tacttgagca tgggtgggct ccagatctcc 60
tccttcaaac tggagtgagc ggcacctnag aagaccttac cccagaacc agcttnagcc 120
agcccttcac caagcccccac acagaaccgg agcctttang gtctggggat ttttcccaag 181
g
```

<210> 1191

<211> 398

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 25, 47, 54, 68, 125, 126, 142, 155, 157, 171, 174, 188,
202, 213, 226, 228, 238, 242, 253, 260, 272, 277, 287, 296,
315, 337, 369

<223> n = A,T,C or G

<400> 1191

```
gatacaaggt gacacnaata tgacngacaa agtattttgtg acctgcnata ccancgtcat 60
gcatctanat ggaacggtgg aaggatgggt tgcaaagaat aaaacactca acttgggcaa 120
aggcnntctg gaccacagag gnatatatca agtgnantgg gacatagcac ntgncaaaag 180
agatgtcnac tgtgcaagtc cnttaccgaa tgngccagaa ctgtgngnag ctagactnng 240
gnaccatggc tgntgtaatn ttcattgacc tnatcgnaac tctgctnctg gctttnggcg 300
actactgctt tgcanagcat gagaccggaa ggccttnttg ggcttggttaa gggttaaagcc 360
ctgctgaana ttgagcagct gtatcagcct cttcgaga 398
```

<210> 1192

<211> 364

<212> DNA

<213> Mus musculus

<400> 1192

```
gcaaaggaga ccaacaacaa gcaaaaagag tttgaagaga ctgcaaagac taccggtcag 60
```

- REPLACEMENT COPY -

```
tcaattgagc agctggctgc ctaatgctga gcctttgctg agataacttg gacctgagtg 120
acatgccaca tctaagccac gcattcccagc ttttccagcc agggcctcct agcaggatct 180
tagagaagga gacagtggta ttttgaaact ggatatcaaa tatttttggg tttgctttta 240
agtggctacc tctctttggg tttgtggctt tgctctattg tgacgtggac ttaagcaata 300
aggaagtgat gaaggacag tgttctctga caggacctgt gggggtcggg gtgcctgtgc 360
aagg 364
```

<210> 1193
<211> 113
<212> DNA
<213> Mus musculus

```
<400> 1193
cagactgagg tggggctcttt cagagagact tgatagcaca caccatggag gagctgtcgg 60
ggctggagaa gaatgtgaga gcaccaaaga atcccacagt atcaaaaaaa aaa 113
```

<210> 1194
<211> 346
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 51, 52, 183
<223> n = A,T,C or G

```
<400> 1194
cagaactgac gatcaaaaaga tttgctgaac agtggactcc gagatcggta nnacgaagct 60
cttcctgccc ttcctgacca ggctgtcagg taattcctgt gctcccctca ctggtcgaag 120
tgattttcct tctcacttag tctgcccaga ggctctgctt tctctgctca gtgtgcatct 180
tanggtgggtg gttggcaagt gagcctggct gaggggaacac ataggggggtc ctgtctgtag 240
tacacagaca aacacaatca aaagtggggc aggagggaag gcagccctgc taccttttctg 300
gggaatatatt tgaaagggtt tggttaatat tggaatctgc ctgcag 346
```

<210> 1195
<211> 126
<212> DNA
<213> Mus musculus

```
<400> 1195
gactgagctc ccagcatccc aggaaaccta gaaccatgat gatagacca actgcaatca 60
agatattcac agcaatgaag gggttcgtgc tagagtctcc tgacgtgatg atctagaaaa 120
aaaaaa 126
```

<210> 1196
<211> 275
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 63, 178
<223> n = A,T,C or G

```
<400> 1196
acagcctcat gtccgactgc tgggtgcttca tnttctgcaa ggaacacgtt agaagcaatc 60
ctntgtcacc acagcatgat ggggcctcaa gggaggaggc tgatcaccag gtggacgtgt 120
ctgatggcat caggctggtt ccagacaaaag cagaggccac ggctgctaca gcctcagntc 180
tcgggtccca ccagcaaagc ttctgtgtgc agcgcgcacg gcagttaccg cagaacctca 240
tgagtggaga gctcagcccg cagctgagac atctg 275
```

- REPLACEMENT COPY -

<210> 1197

<211> 401

<212> DNA

<213> Mus musculus

<400> 1197

```
gaactgagag cctcaccaga aacttctgcg tcagctctca ggtgcatcct gggctaattgg 60
caactcgtgc tccattccca actcatgggg acaactcagg cagtgtctggc tggggcctca 120
tgtgggacct tcttcagaca ggacctcca cccagtgca gccaagcag caagaccaca 180
ttaacccttc tcaagtactt ttatttcaca cctcctgtgg ggcttccttg tctccaggac 240
tgggtagagc ctgagaagag agccagcctc taaagaaccc aggctgtcac cggatgcact 300
gattgttctt aaaggttcca agtccctggc tccgtgcatt tcacaggcac agtgggcaga 360
gctgtaagct acattcaggc ttccctggca ctcagggact t 401
```

<210> 1198

<211> 221

<212> DNA

<213> Mus musculus

<400> 1198

```
ttgagcttct ttgttgagac tccataaaga gaaatgcacc aagaaacttc tgggtggtgtg 60
ctgaggcttc ttgccacttc tgcagactca ggctgattgt tagatgatgt cggctgaggc 120
atgacccatg gaggacccat gatgtttgaa aaaggactca atggacaata aaagaggctg 180
ggcttggtctt gctggtacag ttaactgttc aaaaaaaaaa a 221
```

<210> 1199

<211> 200

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 119

<223> n = A,T,C or G

<400> 1199

```
aagcctgagg atgctgacct gggaccagaa tggccagtgc ccagtaatct gaagttttata 60
gctaccaggg gcgaggatga gggcaggatt ccagcgctc ctacgagcag ggccatcana 120
aagaagaggc ggcggcatct gctcacacac aacttcagggt aactagtgat acaacaataa 180
acgtaaacgg cttaaaaaaaaa 200
```

<210> 1200

<211> 377

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 64, 68, 84, 88, 103, 106, 148, 156, 177, 179, 191, 194,
198, 207, 210, 215, 217, 249, 262, 264, 272, 292, 318, 322,
339, 340, 355

<223> n = A,T,C or G

<400> 1200

```
gagggtgcat gctaaccctt gggaantttg atgtggagcc tgacacgtac tgccgatatg 60
actntgttag tgtgtttaac ggancgtnga gtgacgactc tgngangctg gggaaatttt 120
gcgagagaaa ggcccctagc cccatctntt ctgaanggaa cgagctcctg ggacacntng 180
tatcggatct natntgtnac cgcaaanggn ttgtnancct cctacaggac cctgccacgg 240
gattgccgna gagaaggagt cntncctgag tncaggggag gacgtacagc tntgggtccc 300
ctgcccgctc ttaccctnag tncaggaact gggccctann ttctcaacct gcccnctaaa 360
ccttatattc ccaacct 377
```

- REPLACEMENT COPY -

<210> 1201
 <211> 323
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 41, 43, 57, 60, 77, 120, 127, 128, 145, 173, 178, 181,
 182, 186, 196, 202, 218, 219, 231, 263, 273, 292, 297
 <223> n = A,T,C or G

<400> 1201
 aaggaacaga accgatgtgt cctgtgaatc cattgncctt ngnaacaaca ggagggnaaa 60
 tccctcctga aacagancca cgggacccac cggatgactc cagcaccaca ttctgaaaaa 120
 gaatctnnta tgtgaatata agganggact ttttactccc tgagggactt gangttgnaa 180
 nncggntctt gcttanctgt anaaatggac tgggatannng gctctagggg nggactgttt 240
 acacacttca ggaatctagg ggnacctgtt ccttgctaaa agaggctatt cngaacnttg 300
 gggcttggag tgccttgctg cga 323

<210> 1202
 <211> 224
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 55, 65, 69, 71, 73, 74, 84, 89
 <223> n = A,T,C or G

<400> 1202
 gccagaaga ccatgggtgn gagcagatgt gcgtgaacat gctggggttcc tttgnetgcc 60
 agtgntacng ngntacacc ttgnctgang acgggaagcg atgtaccgct gcggactact 120
 gtgcctcaga aaatcatgga tgtgaacacg agtgtgtaaa tgctgaaagt tcctacctgt 180
 gccggtgccg cgagggtatt gctcttaaca gcgaaaaaaaa aaaa 224

<210> 1203
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34
 <223> n = A,T,C or G

<400> 1203
 ggaaaaccaa tggtggaaaa atatcatagt ttgnccaact gatggagaac tggaaaatac 60
 tctttttcat caagtttttc agttcacccc gttttgttca tagtatgtaa gaatggacat 120
 cggctttgat gatacatgct gtctgtcata atgtataata tttaatgatt gaaattaact 180
 gtttggggat cctgacgctg aagtgtg 207

<210> 1204
 <211> 298
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 28, 42, 45, 69, 73, 106, 169, 173, 179, 185, 194, 217,
 226, 227, 238, 248, 259, 272, 274
 <223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1204
agactgaggt ggggtctttc nacacgcntg cgcgaggccc gncgncagga atttgacacg 60
ttcatcgnt ccncgacgac ctttcacacg catgagtcca tcgcantccc cgtcacgcag 120
gaggacgggg agagtgactc ggactcggaa gatgccgatc tggaagatnc tgncttgant 180
gaagngtgcg cgtnccttgg tccgcgtggt ggcgcgntcc ttgagnntgg ccccggcnga 240
acctggtntg cctttttgnc ttatacccca tntnctgttt gctttccgaa gacaagag 298

<210> 1205
<211> 109
<212> DNA
<213> Mus musculus

<400> 1205
ctgaggtctc ctatgctcag tcaactctcc taactgtaaa tcaacactaa gagcactaga 60
aggttaaagg tcaaggagac tctcaciaag gatccaggat tctccttgt 109

<210> 1206
<211> 342
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 287
<223> n = A,T,C or G

<400> 1206
aactgaggcc cagagaacac tgaagacata catccccagt gaagggcatc attacctaca 60
aaggcggact gtggaccata cgacgagaga agcccatcat catggatgtg tcccatcatt 120
tctatggcag tcccaggatc tcaactctct tgatgctcta ctgtttgatt gttcatcggt 180
cacatacaga aatgacgctg gtttcctgtg ttgaccttgc accctgctac tgtcatcact 240
ggcctggaag tcagcagtat agataaggct ggccctgaat tcaaganact cacctgtttt 300
tgcctactca gagttactgg aattaaaggc ataacaacac ta 342

<210> 1207
<211> 137
<212> DNA
<213> Mus musculus

<400> 1207
aactgaggca aatgaccatg gaaacagttg aatcacaagc aggatcgaag tgtaacacag 60
ttctgtggca gagcatagct ctgctcatat gcagactggg caaatttctg ttcctactct 120
agctcaggta ggccata 137

<210> 1208
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 58, 64, 78, 97, 98, 99, 100, 101, 105, 115, 129, 131,
134, 137, 139, 152, 163, 174, 180, 214, 215, 220, 241, 247,
250, 297, 377, 380, 403, 404, 405
<223> n = A,T,C or G

<400> 1208
gagaaagcgg cgtaccgcct tctgtatcac ggatgcagcc ctgtnctgct ggagccanca 60
tgcntgagct tcacgtcnag tgcttaagat cttgtgnnnn ncccnagcaa agatnggact 120
cgaacacanc nganatnanc ttatcatact tnaagagagc agnatggcag gatnacttcn 180
gaggagcaca tgccttttaa cagtgccacc gcannatacn gtgaaagcta cgcctctgga 240

```

- REPLACEMENT COPY -

```
nccgtgngcn gcaagtaaag agactcaccg gggacattcg ttattttctga acgcatntta 300
tacacacatt cccagcttaa tcacttttag aactttaaca tgaaccagag tcaaagctc 360
ttgagagaga gaaaganccn gagagacttc ttttttggaa ggnnnataaa aagcttttaa 420
actcattgg                                     429
```

```
<210> 1209
<211> 190
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 20, 21, 26, 60, 63, 166
<223> n = A,T,C or G
```

```
<400> 1209
acttcaagtt tgggaaaatn nttggngagg gctctttttc aacaaaagag tatgagcctn 60
tgntgctggt gcttggtgag cacagggttc tcttgggata atagactact gagaacacct 120
gactaggcaa tggtttccct gtgcccctgt ggttggtctgc tgctgngcat tgccactaga 180
gtcttgggaa                                     190
```

```
<210> 1210
<211> 260
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 139
<223> n = A,T,C or G
```

```
<400> 1210
gaccacaaga ttgcagtatt ttacgttgct gaaggacaaa gaagataaat actccattct 60
caccaatata ggaggaagcc aagcatatga agattttgta gctggccttg gttgggaggt 120
aaaccttaca aaccactgng gcttcatggg aggccttcag aagacagaag cactggactg 180
accactccct attttgctac ctcgacagta gaagtaatat ttcatgtatc tacacgaatg 240
ccttctgatt ctgatgactc                                     260
```

```
<210> 1211
<211> 168
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 24, 57, 62, 96, 100, 111, 115, 116, 118, 122, 144, 149
<223> n = A,T,C or G
```

```
<400> 1211
caccaccacc accgtctcca ccangtggca gaccccgccg cccagagacc agaggangac 60
tnctggacgt cagataatga ggagcaggag gaccnaten gataactgca naggngnta 120
tnatccacac gaaaattgga gatntcttnc atggtcagac ctcatgtc 168
```

```
<210> 1212
<211> 120
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 35, 41, 65, 82, 83, 84, 90, 94
```

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1212

tgtgccagct ccacagccag cggcccgaga gagangttat nattgccccg gaagtcaact 60
gaaangaact ggcccccttg annnttcccn aaanacctgg caccacttt ccagcccgga 120

<210> 1213

<211> 321

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 22, 30, 55, 88, 97, 100, 139, 144, 168, 173, 188, 190,
191, 204, 207, 212, 214, 251, 255, 280, 295

<223> n = A,T,C or G

<400> 1213

aaaaaacagt tccgttgccc nntgtgtgan aagatattca tgaggggagtg acttntctca 60
ccaagcatgc cgggggtcaa ccgagttntt cccagtntgn atcaaaaaga tcaaaaagg 120
gtttttgccc cccctttgng gggngctccc catggcacc aggcaaanat ggntccccg 180
aaggaaanan ntcccaggaa aaangantga cncntggaaa tttgccccaa aaaaggcccc 240
ctggccaaag naggncactt gttttttggc caaatattcn gatattctcc tgcctgttc 300
caaaaaagca cattggtccc c 321

<210> 1214

<211> 247

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 56, 58, 63, 73, 86, 90, 93, 96, 98, 103, 110, 118, 127, 157,
163, 165, 200, 215, 224, 226, 230

<223> n = A,T,C or G

<400> 1214

gttttttttt tttttttaag gggggggggg ttaaaacact accttgctcc ttgctncnat 60
ggnaattcac ggncttgcca atatanntgn tgntgngncc ccnagtccn tccgaganaa 120
tgacatnaag agcttctttg gtcgcaaagt ggccatngat gcntncatga acattctacc 180
aatttcctga ttgctgttcn tcaggggggg gatgngctgc aaancnaggn ggggtgaaacc 240
accacc 247

<210> 1215

<211> 171

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 43, 45, 50, 54, 58, 59, 62, 84, 86, 93, 110, 113, 121,
129, 147

<223> n = A,T,C or G

<400> 1215

ccaaggatca tgcacatgt nctattgacc caagagttgg ggnengtggn ggcntccna 60
angggctgtg tgttctgcaa gaantnggag ccngcttcca aggaggatgn ggnccctggaa 120
ngggacttnc ggagccaaac ggctgangaa cgctattacc ctgacccac t 171

<210> 1216

- REPLACEMENT COPY -

<211> 335
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 39, 71, 311
 <223> n = A,T,C or G

```
<400> 1216
cactgaggct aggganggna agaggggtggg cgatgtggnt ggagcccagg cctacgcctc 60
cactgccaag ngcctgaata tcagctccct gatcttcagc atccttatgg tcattatctg 120
catcattatt ttctctacca cctctgtggt agtctttcag tcttttgac aaagaacacc 180
ccattctgga ttctagctgc cctgtgctcc acggtccaca tctgccccgc ccctgccccg 240
ccccaggct caagcctcga ccctttaccc tacgcgtagt caaatgttac cttcacctat 300
ctgtccacag nggattcaat aaagtgcacg gggtc 335
```

<210> 1217
 <211> 312
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 24, 38, 53, 72, 75, 76, 107, 112, 151, 162, 199, 215,
 228, 258, 260, 287, 289
 <223> n = A,T,C or G

```
<400> 1217
ctactgctca aacaaggnaa gctngaccga accaaaanac gatttcaaga cantgctcaa 60
atctaaccct ancgnncagg aggagaagga agccgagtct cacttgnaaa anctgaccag 120
atgcagcggg tgcgctccca aacgctcgac ncctttgacg gngccgaata cactgctgct 180
ataacccttc cttgataana atttaaaagt ttggnttttg ggatgcanaa ctgcctgaac 240
tggaagcag aatgcttntn aaaggaagga agagcccagg aaaaccntna accgacttaa 300
aaggctggtt tc 312
```

<210> 1218
 <211> 412
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 54, 81, 88, 128, 162, 205, 358, 361, 370
 <223> n = A,T,C or G

```
<400> 1218
acagtcagat gggctcttcn ctctccctgg cctggaccag ctccctgctg ctgntgctgg 60
gaggcatcct gctctgtgtc nacatccnag tatgcagaga ctttccccgt tgcattgaga 120
cccctagngc tagaccttca ggagccaaca acgatacctt anatgtttga tggccagcac 180
actcacgtct ggaggggaaa acttntctca gaggcctctc tccaggttct agaatcattg 240
aactggaggg aggaaagaca ggtctacgga gctgcccaca agctgtgtag tggactctgg 300
atgcggttag ctgtgtcagc accatgctga ggtgggcttc ttggtgctga agctgcenag 360
ncttctaata taaggggaccc caataaagtc attgttcccc taaaaaaaaa aa 412
```

<210> 1219
 <211> 389
 <212> DNA
 <213> Mus musculus

<400> 1219

- REPLACEMENT COPY -

```

ggaagtgaca gcgagtacga agtgggacacg aacaccccaga aagcccactc ctttgtcaac 60
cattacatca gtgacccccac atattacaac tcttggcggc gccaacagaa aggcattctt 120
cgggcccagg cctacagcta cacagagagt gattccggcg aacctgacca cgtcactgtc 180
cccaacagca acagcaccca gcaaggcagc ctcttccggc ccaaggccag ccggactcca 240
acgccccaaa acccccgaa tccccagagt cagcagagca ccctctaccg tccccccagc 300
agcctcgccc ctggctctcg ggcacccata gctgggttct catccttcgt ttgacatcaa 360
aagaggagaa agaatgggga gaaaaaaga 389

```

<210> 1220
 <211> 272
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 27, 30, 48, 53, 54, 75, 97, 117, 118, 139, 140, 148,
 153, 155, 161, 170, 171, 206, 208, 211, 213, 215, 217, 236,
 251
 <223> n = A,T,C or G

```

<400> 1220
gaaggacaca tgccgagtng gatggcngan actccctgag caattatnat ganngccgag 60
ggggcccagag caacntttac agtgggtcct ctgccancat taaggccgct tatttcnncc 120
ggttaccgcc ctaatctcnn ggatcganct tcnanatgcc ncggggggccn nggaccatcc 180
tgggctacta accttgacgg acctgnangc ncnanangat agtttgttga tgcattcaat 240
agtatatgcc ntccctgtaca gtccttatct cg 272

```

<210> 1221
 <211> 156
 <212> DNA
 <213> Mus musculus

```

<400> 1221
gcttgctgct cgagatgtga gtcttcagat gttcctgccg ccatatctga cagctgctgc 60
caagattccc tgggtgggatg gactcttata cctcaacaac cagaagccca agtaaactct 120
tctataaatt gaatgactca tgcttaaaaa aaaaaa 156

```

<210> 1222
 <211> 433
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 50, 71, 167, 387
 <223> n = A,T,C or G

```

<400> 1222
gaattgggcg cccccaggct gtgaaaaact aggggaagtgt ctgacacctn ctgagtctgt 60
ccctgagaag ngtttctggg cccattagcc aagaccagaa tctccagcca gccctgcaag 120
tgcttgggag accttgctct tcggactgat gaatggaaga gaccagntgc cctctgcca 180
cccatccctg catggacggc ccctgcaacc aggtgcaagg ctccaagact gctcatcctg 240
gagccctgac cctgtagtcc gctctcgagc accacagccc atcttgccaa ctggttcctg 300
aaaaggaagc cggggccttg atcacctgag gtacgccagc ccagggtctg aagcactgtc 360
actgtccctg catacatttc aacctangtg ccgtacacaa aagtgaagat ttcagcgaaa 420
tgccaaggaa gtg 433

```

<210> 1223
 <211> 216
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<400> 1223
ggatccagac ttgccttata aattcttgaa ggcaaagaag gattgaaaca accaccagag 60
atgtctgagc cacttggtga gaatgaaaaa cagcgtatgt acagtaagct tgcacacaga 120
aggagggccg gtgactactt tcgggtttta tttttgatac aactttctat tcagtatgta 180
atgaataata aagaaaactt tgtcctgtaa aaaaaa 216

<210> 1224
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 49, 52, 70, 150, 152, 159, 198, 212, 233, 246
<223> n = A,T,C or G

<400> 1224
gagcctggac ctggctgtgg ccctagagcc caacgcctcc ttactgaana angccctgca 60
agcagcgctn agacatgtga cccactgacc atacacaagg acacaccgac ctgactgctt 120
gtctcataac acacagccat ctcaggagtn anctgcctnt gcccaacacc ccatgctctg 180
cagggggccat attgactnca caaggagcag anaggaggcc ttgggtacca ctntcgacaa 240
catcangata caggggctgt ggaggatgag 270

<210> 1225
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 400, 422, 448
<223> n = A,T,C or G

<400> 1225
ggcagctgat ggcaccggag ccgctagaga agctcggctt tagagaccta atggaaggga 60
agccagaggg aaaggatgaa tgttgagaag ggagccacag gaccttgctc ccagcctgga 120
gcagagctga gcccttctgc ccacagtga ggaggacctg acaactcagcc cgtgctgccc 180
cgtgcagggg ctctccctgg ggactttaga acatggctca cccctgcagc acacaccgaa 240
atgtttcctc tgttgacctc ggttccccctc tagagagtgt gtttttcttc cgtctgtgtg 300
tcacaggacc cgtcaggact gaaccctgct gtgatttgat atccccccca gagtggctgt 360
cacaccacag agccctggcc agcattccac agcgactcan cctgtcacag atctgagctc 420
tnacactgga acctgtaatg aaaccaancg acaggaaaat gtccgctttt ggct 474

<210> 1226
<211> 266
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 88
<223> n = A,T,C or G

<400> 1226
gacacacaga gaacagggct gtgcccatta gacagaagag atttggtcat cagcctcctg 60
ggagacagac agaagacttg aagtcanca atccccctgc ctctgcaagc cccatctatc 120
ctaactactgt acccctggc tgtgatctga ggatgacaag atccgagaca tccttgggca 180
gcttcacact gagatagaaa taaacccaaa tgaactatga aatggggcca taaataaagc 240
ctggaattga attctaaaaa aaaaaa 266

<210> 1227

- REPLACEMENT COPY -

<211> 342
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 314, 316, 320, 322, 323
 <223> n = A,T,C or G

```
<400> 1227
gcaagcccgg cacgtccgag cagcacgaga agcgtncatt gacaggaccg gagaaggctt 60
ccatggactc tgacactgta aagttgggtca agccccacaa agaggccatg gtcgccgacc 120
tggatgcggg cccagggatg ctccaaccct gtgtgctgcc ctgagccaag gaaagatctc 180
ctgtgcgtga tcaagagagc cgttcgaatc gtgacagccg tgacagccgt tctctgatga 240
ccctagtcca ctgagtcctc atgttcattg tctccatgct acagtccggc tggcgactat 300
gtaggtggaa gtgntnaatn annctgggt catacttcta cc 342
```

<210> 1228
 <211> 199
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 61, 68, 71, 72, 82, 85, 90, 98, 100, 102, 105, 106, 125,
 126, 169
 <223> n = A,T,C or G

```
<400> 1228
acaaagccac ccaccctctg acttctatctt actttacaat gatgttagcc cccccccctt 60
ncagaatnag nnaaatgggg gnttngggtn aaagaacnqn angannggag tctggacgat 120
cagcnntccc tgcaggtgaa gaagactcat gaactcacca atcctggant tgccgaagtc 180
accatgcggc cagaccaca 199
```

<210> 1229
 <211> 380
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 58, 112, 118, 124, 145, 149, 152, 165, 181, 195, 210,
 257, 308, 353, 362
 <223> n = A,T,C or G

```
<400> 1229
ctccttcacg ggtcttccat cccctctcnc ttgcccgccg ggtactcctc tctaaagncg 60
cctgtaccgg ctgggggttc caagggtaac agtaaccctc tcagtcaata gncagcgnaa 120
cagnaagtc ctcaatgggt ggagnatgna gnactcccat cctanctttg gcctctcagg 180
naagtaaaaa ctgggnatcca gcaccagggn aattagctcc gaccaccccc ttgttcttcc 240
gatgctgtgt ctacgggnact tggccacagc aggcctgtgg gtggattcct ggtgctacca 300
cctgccgnac caaaagccgg atcaagggat tgggaacttg ttgccattct cancaggccg 360
anaccgtgga ggctgtttga 380
```

<210> 1230
 <211> 243
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

- REPLACEMENT COPY -

<222> 40, 47, 50, 55, 61, 133, 139, 169, 170, 183, 195
 <223> n = A,T,C or G

<400> 1230
 cagattcctt agggagcatt tgcctccata tgaataagtn taccatnacn gtggnaagcc 60
 naattacagg acacattaaa ggaatgctgc ttactggctg gctttctgct tctgctcatc 120
 ttgcctgtac agnctaagnc cgaatgccat ggtggaactg ccatggtggn cttggccctc 180
 ctnaccaatt aatantaaca gttattagta gtattataat gaacacccca taaacatgcc 240
 cat 243

<210> 1231
 <211> 193
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 21, 66, 75, 83, 112, 120, 139, 145, 146, 149, 151, 159
 <223> n = A,T,C or G

<400> 1231
 cgtggctgct gaccaggncc ncaggcttct aaactggccg gccctggaga gattcggcca 60
 cttganctag ctganagctg tgnacatggc cctgtatgtt gcggaacaag angactgggn 120
 aatgcatctc acatggccnc gggcnnatnc ntacacatnc tggaaggaaa cttgctcaaa 180
 actagtggac cct 193

<210> 1232
 <211> 152
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 54, 75, 86, 89, 90, 97, 107, 109, 116
 <223> n = A,T,C or G

<400> 1232
 gcttagagca cgacctaaan aactacttct aaacaggtcc acacacgccc ttgncctagt 60
 accgatatct ctccnctacg ctctgntggn gctctanaag ggagatngnt gcattnaaga 120
 accccaaata aaataggctt tgaaaaatca aa 152

<210> 1233
 <211> 492
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 313, 322, 372, 378, 400, 402, 424, 433, 437
 <223> n = A,T,C or G

<400> 1233
 acactgagac ttttcagaaa agaagatgga ccagcctagt gggagaagtt tcatgcaagt 60
 attgtgtgaa aaatacagtc ctgaaaactt cccttaccgc cgtggccctg ggggtgggagt 120
 ccatgtccca gccactcccc agggctcgcc tatgaaagat cgcctcaacc tcccagagcgt 180
 gctcgtgttg aacagctgcg gcattacctg cgcgggagat gaaagagaaa tcgcagcctt 240
 ctgtgctcac gtgtcaaaaa ctcgatcttt ctgacaacaa gctccaaaac tggcatgagg 300
 tcagtaagat tngtcaaat gntcctcaac tggagtttct aaacctgagt tccaatcctc 360
 tgagtctgtc anttctanaa aaaaaatggc tgggtccttn tntgggggttc gcaaaacttgt 420
 cctnaacaac agnaaangca ttatgggaaa cagtgcacac catactgcag gagttgcca 480
 agttggagga ct 492

- REPLACEMENT COPY -

<210> 1234
 <211> 456
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 375, 382
 <223> n = A,T,C or G

<400> 1234
 cactgaggaa agagtgggtca cctggaattt tgtgacaaag aaatacatct atgggaaccg 60
 ttatgagaat cgagtggagag tatctaacga tgctgagttg tcaaatgcct ctatcaccat 120
 cgaccagctg accatggacg acaatggcac ctacgagtgc tccgtgtcac tgatgtcgga 180
 ccaggatgtc aacgccaagt ctcgagtccg cctcttggtc cttgaggatt tcaaacaaat 240
 ggcaagaatc ggtgtaaatc tgaaacctga ttctgctggt cctccaacca aactccggcc 300
 cgtacatcaa ggaccaccta ctttttaaga caatcagatt aacccgaaga gttaaggcta 360
 cacgtttaat atganaagta tnggaattcg ttgaaactaa cctcttgctt taaaaaaaaat 420
 tacatgttaa taaaccacgc aatattcttt gtggggg 456

<210> 1235
 <211> 162
 <212> DNA
 <213> Mus musculus

<400> 1235
 gactgagtga ggaaaacatt tggaagctct gtgagttacat caagacacac aaccagtatc 60
 tgttgaggga gtgctatgca gtcttcatat caaatgagaa gaagatggta cctatttgga 120
 aacagcaggc aagacctgag aatggacctg tgatctggga at 162

<210> 1236
 <211> 406
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 388
 <223> n = A,T,C or G

<400> 1236
 agactgagta tttggaaatg aaccttggac ttttaagaacg cttggagtca ttgaaccaca 60
 cccaactcct attctgacat ttcactgcta tccaggattt acagaaaatg ttagaaaaac 120
 tctgcagcaa tggtattttg aaatttataa agcctttaca aaaatgtgaa gaaagatgta 180
 tatattttgt gcatcttgat ctctactata aattgcgaaa tgattggatt gagcttaagg 240
 tattaagct ttttaattaga aaatttttaa taaatgatgt tctggatatg tcatgcatgt 300
 aactttggag aaaaatgtca actacgtgta acacccctg acttgccatt atacctatta 360
 tggattcaaa ggaatttaat acacctgnct aggttaaaaa aaaaaa 406

<210> 1237
 <211> 174
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 68, 76, 120
 <223> n = A,T,C or G

<400> 1237
 aagtatttat ttcattgtcta tgcacgttct gcccatgttc acgtgcatgc ctggtgctgg 60

- REPLACEMENT COPY -

```
aggatcanac gaaggngttg gatctggcgt taaagagggt tgcaagctcc aggaatggan 120
cctggatctt caggagaaac agaaagagct cttaaagaat cccaaaaaaa aaaa 174
```

```
<210> 1238
<211> 323
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 16, 17, 34, 55, 97, 98, 233, 239, 246, 248, 249, 253, 255,
257, 268, 271, 279, 285, 288, 289, 290, 291
<223> n = A,T,C or G
```

```
<400> 1238
gaagagtatt ccctcnnagc taggagactg tganaatcta gagagactgg actgntctgg 60
gaatctggac ctgatggatc tcccctttga attaaggnat ttgaagcaag ttacatttgt 120
ggatatctct gcgaacaagt tctccagcgt tcctatctgt gtccctgcgga tgtgtcgcct 180
gcagtggctg gatatcagca gcaacaatct gagtgcactg ccacaagata tanacaggnt 240
gctacngnna ttngnangcc tgctgtanta naacaatcng agctnctnnn naccagcctg 300
cttacctttc tgaagccaag ctt 323
```

```
<210> 1239
<211> 392
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 230, 291
<223> n = A,T,C or G
```

```
<400> 1239
cagtgtact accttcagac taagcattca agcctatgag cccttggggc aattcttatt 60
ccaaccacag cacatgggtg gaaaggtaaa acaacaggaa cataagcagc tggtcacgtt 120
tcttctacag tcaggaagca gaagatggat gaatagctgg tctcagggta ttctctgata 180
ctgcagcatc tcagtc aaac agatgcttcc aactgcaatc aacagacctn ctgaaatcaa 240
tttaattaat caagataaat tctacaaatc aacaagaggc ttgcaaatca natgattcta 300
gaactgatgg tactaacaat ggagatacaa gaattacttc ttgatctttg tacatataaa 360
acacagttaa ttaaaaaatg taiaaaaaaa aa 392
```

```
<210> 1240
<211> 164
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 115, 123
<223> n = A,T,C or G
```

```
<400> 1240
acgaggacca caaggcagaa aggagaactg aagaatccaa agccccagtg tacacacatc 60
tcttctgact cttccagcaa gacggccctg ttttccacta ttccaggatc agacngagggt 120
canagggtcaa cttccaaccc acttctcat gtgcaccctg ccct 164
```

```
<210> 1241
<211> 200
<212> DNA
<213> Mus musculus
```

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 17, 19, 26, 50, 65, 71, 87, 98, 109, 113, 114, 123, 146,
149, 156, 157, 175, 177, 180
<223> n = A,T,C or G

<400> 1241
cgagattatt gaggcgngna atcggntgac gcttcccggt ccttcataaan tgggtgtgggc 60
atctntccaa natgaccctt gatcagnact cagagccnaa ctggagggna ganntgggct 120
aanggccag gctgactgca ttaccnctnc cttgannaga cttatacgct atcantntan 180
atataggaag agaaggcctt 200

<210> 1242
<211> 220
<212> DNA
<213> Mus musculus

<400> 1242
acatggcaca gccacctctg tataaatatt ggggccacac agctgcaaag gcatctcctg 60
caggaggacc taattgagga ctgcttgaga ccaaggatta tttatgtaaa caatgtcagc 120
caaactgctg ttttggggac caatggggca cgagtagagg gtattaaagg agcttgcagc 180
agttcagatg agcgtgctgc tgaagtctca aaaaaaaaaa 220

<210> 1243
<211> 150
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 46, 64, 77, 89, 97, 103, 114, 120
<223> n = A,T,C or G

<400> 1243
aaccagcata tgtgggagac ctgacaaccc ggctgtgtgt gaggtntcac aagccaacgc 60
ccanccacag gggaccnact gttcctggna ctggaangtg tgngatacgg ctcngtcttn 120
tacaatgctg agagagggta ttaatacccc 150

<210> 1244
<211> 350
<212> DNA
<213> Mus musculus

<400> 1244
cctcgtgatc tggacaagcc ctatgctctc cctgcattgt gggaccctga gtccatgcct 60
gcgtctggaa tgctgttgga agcctgttcg tgcctttttg ttaccaagac tcagacagca 120
tagaatctac tcagcatctc cttcgccaca gcctcccttc cccaacatca cattagcctt 180
gagttgtgat cgactggcag gagccctagc aggcctgaga atagcatctg tattatggta 240
gaaagcccag aaatgaaccc tggggagagg ctctggagtt ggctgggaga aggagagagc 300
attactatgt tgataagagg gaaacatgga agaccaaaca ggagacacag 350

<210> 1245
<211> 248
<212> DNA
<213> Mus musculus

<400> 1245
gactgagatg tgttttttaca aggcaaacag ttccataagg ccttggaaaag catactgtca 60
ccccaggaga acctaacagg gggagaagag caccctcagt gtggctacat cgaaagcatc 120
cagcatattc tgacagaagt cagtgggtgt caagctctgg agagtgccgt ccagcatgag 180
gccttgaagt atgtagggct gctggactgt gtggctgtgt accgggggcaa gctgcgtgag 240

```

- REPLACEMENT COPY -

248

attgattg

<210> 1246

<211> 341

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 39, 198

<223> n = A,T,C or G

<400> 1246

```
acggcaggaa atggagccat tgctttctct gcaaaaagng tgtgaagcct tcctggatcc 60
attgtaacac ctgcaatcgc tgtgcactcc cagaccattc ctgtttgggg cctaaagatg 120
gctgctttat ttgtgggtgcg ctggatcaca aacgcagcaa ttgtcccaac atcggcacct 180
cttgagagc taacaagnta gttgaattct ttggctttct ggaaaaaaga ttgctcatgt 240
caagcttcct aggagcaatc tacagaagta caaagctttc agaggactca gaatttttca 300
gagtgcataa tcgttcctct caccattacg tgagatgccca g 341
```

<210> 1247

<211> 352

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 43, 55, 61, 67, 80, 83, 114, 128, 134, 149, 156, 160,
170, 171, 178, 182, 194, 201, 206, 209, 216, 222, 223, 228,
233, 234, 239, 328

<223> n = A,T,C or G

<400> 1247

```
ggcaggggaac tgtgagaaan ttgctcctga cagcgcacct gntccttca tgaantgaat 60
ntgaatnttg atctacacan atncccggtt cttcttgact gtggtgactt gcancatcct 120
agcagccnta tcangaggaa aatgagcang gctcngccn ctatgcctgn nactggtnt 180
gncaccatgc caangctctg nacatntgnt tctcngaag cnnaaacnga agnnccgtna 240
aacataagct cggagatgcg tgcacaccca ggacagaagc ctggacagga tggcttccaa 300
accacactta acaaccctcg catgccgnga gatgccagga cttggaaggt gg 352
```

<210> 1248

<211> 243

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 44, 223

<223> n = A,T,C or G

<400> 1248

```
gaactgagag aatgtcacta acagcacggt cggggggcagc gcanagccgg aacccgagga 60
gttgagcctg gtgaatggct ggctcagctg taaggcccag gatgagattc tgaatttggc 120
cttcaccgtg ggctccttcc tgctcagtg catcaccctg cctctgggca tcatcatgga 180
caagtatggg ccaaggaagc tcaggctgct gggcagggct tgntttgatg cctcctgctt 240
gct 243
```

<210> 1249

<211> 232

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 22, 31, 46, 48, 57, 58, 66, 68, 74, 87, 88, 91, 111, 127,
138, 139, 144, 146, 155
<223> n = A,T,C or G

<400> 1249
gtggaatctt actactcgct gnaaggaatg ngactacaca agcacngngc gacgctnnga 60
ctcaananaa gctnaagctg tctactgnntc nctatatgaa ctacacgtga ntaactcctt 120
ttttctnatg tctgactnnt gtgncnctat ctctnttttt tggagtctgt ctaatttcat 180
ctgtttggat tgctttttaca cattaaaaac caatttttta aatgaaaaaa aa 232

<210> 1250
<211> 317
<212> DNA
<213> Mus musculus

<400> 1250
ctgagggaga agtttgcgag gggcagccca ggtttctgga gatgatgcgt aggcagcaac 60
atgtctggga tccgaaggca aaggagccgg ttcgcctggt ggggacaaca ctttcttctc 120
tatgaccatt tcgtgattgc catcaaagac agcggccac gggggtgctg cggattgatc 180
atcccgaaca atgaggaact gtccgttggt ctctccgatt ttcttttgta ttatgtctgt 240
tacactttcc agtttcacgg gtgaatcgat gcctgtagta attataagaa gaaactttat 300
ggaaaaaaat caaacgg 317

<210> 1251
<211> 374
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 293, 310
<223> n = A,T,C or G

<400> 1251
ggcctcgcca gaagagagcg cgcgcgggcg tggccgggga cgcgcagtcg attggccgct 60
cctcgccgct cgcagctccg gctcggacca accgcggagc tgtgcctgga ctctcccgt 120
caccaggagt ggtctcgaga gcccggtgctc gctgccttta ttcagagtgc gcctgcgcag 180
tagcaaagct tgcttttgct ccaggaccgc ccccttgtea gtcataattgc tagccaatcg 240
cggcgtcagc cagtcataaa gggcttggtt tgtgcaaccc caattctgcc agncatttat 300
tttaaccttn cgcaggcatt cactgccagg ggtggaccta gagccatata tataggggct 360
tagccagcac cctg 374

<210> 1252
<211> 178
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 58, 138, 139
<223> n = A,T,C or G

<400> 1252
gactgaggta ccaaccactg tgtgtgacct actaaagaaa ctacatggaa aatacaangc 60
gtgtctgtct tactgagtga gagaaagtga atcaagcata aacattcaga ggcctgacct 120
agtatacagc aggtatcnna cacaaacctc tggctggagc tgcatagaaa aagaaaaa 178

<210> 1253
<211> 272

```

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 170, 206

<223> n = A,T,C or G

<400> 1253

```
ttactgaggt gccagggccc gtggttctcg tccagctgga agggagggct gagctgctcg 60
ttgttctcag ctgaacacag cacaggctcc agggatagca tgcagagacg aagaggaaga 120
acagagaggg ccaggaagag acggcgggcga agctctgggt caagagcagn gaatgagagc 180
tacagatcag aatttataga gctaanaaaa tggctgaaag aaaggaagtt tgaagacaca 240
gacttagtac ccgccagctt tccaggtgag ag 272
```

<210> 1254

<211> 310

<212> DNA

<213> Mus musculus

<400> 1254

```
actgaggcaa ggcaagacag tcatgcagtt ccaaatcgct actggctgca cagcgtcgaa 60
ggccatcgctg gggttcctga aactgtctcc cagaaaatca aattctccgg ccagaaagag 120
ttccgttggg aaagtagctg cctgacatac cgtgtgccct ggaccccatc ctctgagggc 180
ggagacttac aggtcgtgc taccaacact cctggtttta tatggtgcag aggattgtcc 240
caaattcaag gtcagcttgg actacagaat atgacgatgt caaacgaaca agcaaacaaa 300
ccaaaaaaaaa 310
```

<210> 1255

<211> 115

<212> DNA

<213> Mus musculus

<400> 1255

```
gagaaatctt tctttgactc agaagaagag gcacttggcg aggtcctcca acaagtttgg 60
tgatcttaag tatgtccgag ttgtcttgca tccagacaca gagcattcta aaggt 115
```

<210> 1256

<211> 377

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 25, 49, 51, 54, 56, 64, 67, 75, 76, 86, 98, 102, 103,
105, 108, 113, 115, 117, 119, 129, 130, 135, 155, 171, 172,
182, 185, 352

<223> n = A,T,C or G

<400> 1256

```
ctgcttcttc tttgggaagn aatgnngcgca ctgcgaggta tcccaaattnc ncangnaccc 60
cganganggg cagtnngcgg agccantctg aaactganca cnnncanant gtnanancnc 120
accggtctnn tgganggaac gcagggcctg tctantctac cttggtgcct nccccgtgca 180
tntcncaacc tatctcctca ccggtaaacc atatacacag cagacccaac ccagccagga 240
ctatcgaatt ttatctgtag cctaactcca ttctgtgaaac tgaaattctt ggaaacaaat 300
actattttaa atatcctatc tcattagatc tgctaaatat atttgtcctt gnacttactt 360
ttatatggaa atataaa 377
```

<210> 1257

<211> 237

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 81, 85, 87, 89, 92, 100, 117, 143, 150, 168, 188

<223> n = A,T,C or G

<400> 1257

```
ggaatggcca gtgaggactt ggaacctagt gaagaactag accagccctg ttttgaggag 60
tcattagaag acgccctgag ngacnancnc anttgaggtn ttggatgtga tatccantga 120
ggagctggac cttattgaag atnattcaan gtgaaggctg tacgtggngc cagggctaca 180
cttctcantg aggacctggg acctggtctt ccacgaggaa ggaagcccag tctctgg 237
```

<210> 1258

<211> 249

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20

<223> n = A,T,C or G

<400> 1258

```
actggttaata tgcagactgn cggccccggcc tccctggtgt gaagcttgcg gtagttctga 60
aacagctccc tggccagcag tgcaccactg gagaatgtct tagaaatcca aactctctga 120
tccccgcaga atcaggaaat ccagagggtg agtacagcag catgggcttt acaaaccctc 180
aggggaagatg atgtgtgtag aacctggtgg gccaccgttg tgcaaattaa aagaattcac 240
acaacctgc 249
```

<210> 1259

<211> 299

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 71, 283

<223> n = A,T,C or G

<400> 1259

```
tgcctctgga caatggatac aaggaagcca aactccctgc ccaaggaaac aagggtggcc 60
tctactccag ntccccaaaag agtactcctt tccatcagaa acctcatctg catggccttc 120
agacgacaca ctcccagcag ccttctgggt ctctgagccc ccaccacac tgctgcat 180
cttacagtag cctgcggctc caaactcttc ctttccctcc taaccagccc caaaagctct 240
gccacgcgtt cacgggcagt gaaataaagt acattttact ttngaaagaa aaaacataa 299
```

<210> 1260

<211> 211

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 132

<223> n = A,T,C or G

<400> 1260

```
actgagagtc ttctgccccca ctcccaccat agaggtcagc tccagggaag actttggtcc 60
tagaggtcac caggccagcc caggccattg cagaggaaat cacatcctgg gctattttgag 120
ttctgctggc gntgattctg atggggaaga cacttctgca tctgcaatga caagtcaata 180
```

- REPLACEMENT COPY -

agataaaagct gtgttttttaa taaaataaaa a 211

<210> 1261
<211> 148
<212> DNA
<213> Mus musculus

<400> 1261
agactgggtt cagttcttga gactgttctt ctctgctgcc tcagagcacg attacactct 60
ggagtacctc tttctttgat cgacccatgt gactcagaac acccacatat gagtttgaaa 120
caaacgatca aataaataaa cgaatgaa 148

<210> 1262
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 85, 116, 133
<223> n = A,T,C or G

<400> 1262
gagtatggac aacttggaat ggattcttct tcangtctca ccattaaggt caatgagagg 60
gcaagcagac agtgcaagtt accanaaaga ctgcaaagtc caactaaagg gcgaanggag 120
acaccaacca tancatcaga agtcacggct ggccggggcc aggctacacc ccgtatacta 180
agggagaagt ggctttacta ataaatccat gtttgaacct ggaaaaaaaa aaa 233

<210> 1263
<211> 102
<212> DNA
<213> Mus musculus

<400> 1263
ggtcttagaa aaatacccta tgtggcaaga aaggccgatt tcttacctat tggagaacat 60
ttgtctctaa ataaaatctc aatcgttcca gagaaaaaaaa aa 102

<210> 1264
<211> 267
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 43, 55, 63, 75, 82, 194, 221, 223, 232
<223> n = A,T,C or G

<400> 1264
gaaattctac cccctgttgc agcttcaaan caaacacaaa acnactgaag aaaanaatag 60
gangaggggag agaangggga anaagagaag gacagtaatg aagataggat gaacaacagc 120
tctttgtcac cttttggact ccaatgcatg ctcatggaat tggaataatg ttgatctttg 180
gaaatattta gaangaccct atgaaaatgg gatgatgaac ngntctttgt cncctttttg 240
actccaatgc atgctcagtg aattggg 267

<210> 1265
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 19, 34, 47, 86, 115, 199, 202, 216, 218
 <223> n = A,T,C or G

<400> 1265
 gttaagattg ctgaggagnc tctccaaatt agancttgcc tggaagnggg tacaaactca 60
 ttgaggtgcc cagaagaaac gactanagat tagtttgaag cctcgcccaa gaaanacatt 120
 atttccccaa atcttgcca agcctggggc ccccaaggct tattgccaat ggaagcctca 180
 agcctttttg gtggagttn gntaattctt attatntngg gggagtggga cggtttcaag 240
 atttcaaggt taccctttgg gaaggtaaaa 270

<210> 1266
 <211> 259
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 33, 56, 170
 <223> n = A,T,C or G

<400> 1266
 agactgggat acaaattgga agacctgaat agngaggaac actctcagcg ctctanaaga 60
 tatggaagac ataagatctg tcaacttgaa tacaagcctt gtgaacttaa gggatatgga 120
 aagaagcaat gtacctttgc agataaaagg tttcttcaaa tatatggaan aatccatact 180
 gaagggaaac cctatgaatg taagcaatgc agtcaaactt tcacaaattt ctgtcatctt 240
 cgaaaaacatg aaaaaaaac 259

<210> 1267
 <211> 131
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 28, 36, 43, 46, 48, 50, 57, 58, 81, 103, 108, 113
 <223> n = A,T,C or G

<400> 1267
 ccctaagggg ggggtangat gtatgaangg ggggantggg aanatngntn ttatganngc 60
 ggggggaaaa gaaagtacct ncacagtcct tagagaacgg ganagctnaa gancgcttta 120
 aaaaaacaaa a 131

<210> 1268
 <211> 226
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 63, 83, 96, 97, 101, 103, 104, 115, 119, 122, 123, 126,
 134, 157, 164, 198
 <223> n = A,T,C or G

<400> 1268
 aagagcgatc ttgcagagga cctgaattta attccaagga cctgnttttt attcccagca 60
 ttnataccaa ataactgcac cangtccttg tgatgnncca nanntacata tgganggcnt 120
 gnntgnccat ttcnatcacc gttccttcta aataccngag ttctgtcca aggacctgag 180
 tttaattccc agcattnta ccaaataaat caccaagtac ctgtaa 226

<210> 1269
 <211> 110

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 61, 79, 94
<223> n = A,T,C or G

<400> 1269
gccagcctgg cctacattga naaacctcat tttgggaaag tgaaatactt tgtcaattaa 60
natgcacttg gttcaatana gacttttggg aagngtccaa aaataaaaaa 110

<210> 1270
<211> 196
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 27, 29, 43, 44, 53, 63, 86, 97, 100, 115, 127, 134, 141,
173, 179
<223> n = A,T,C or G

<400> 1270
tttgccccc tgcattcccc tcacannng acccactttg ggnngggcaa ggnttccttg 60
ttntgcccc ggaaagcggc gctacnctg caagcanagn tggttacggg ggggnaaaca 120
aagccanttt ttntaaaga nggccaaacc cacaaaaaaa attgtcctca ggnttgggng 180
tggtgacccc actgca 196

<210> 1271
<211> 320
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 17, 36, 47, 63, 66, 73, 94, 95, 103, 109, 135, 136, 156,
157, 160, 219, 252, 274
<223> n = A,T,C or G

<400> 1271
gactacaaaa catganngtc aatccagctt cctgtngcct aagagangag gagtcaatta 60
ttngtngcct ggncataaac tactaattca gacnncacaa aanttatnnc agaaagaaga 120
aacaatgtaa ctcannnact gggaggaccg aggtcnnggn gaagagggag gtgggaagag 180
catggccttg ccacgatttt tgcagagagg agctctccnc accagcttca gccatcacca 240
ccttgctgtg tncctgctca cgttcttcag gtantggctg gctgacactc ttgtcttctg 300
cctgtgggga cgatacttac 320

<210> 1272
<211> 127
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 33, 49, 52, 63, 64, 93, 106
<223> n = A,T,C or G

<400> 1272
tgaataaggc cagagctggc ctacattgan aancctcatt ttgggaaant gnaatacttt 60
gannaatgaa ccccgcccc cggttcttta aanacttttg gaaagngtca aattaaaacc 120

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ttgatca

127

<210> 1273
<211> 188
<212> DNA
<213> Mus musculus

<400> 1273
ggtccacggt tggacgccag actggttgaa gctgacctcc gggtcacaag aaacggggta 60
cacctgggag gcaaaactgg actgaaaaga gaggggaact aggcagtcgg gagaaaaatg 120
gagctaagtc aagattcatg atcaaagctc aaatgtttta taaaagtctg ccatgccaaa 180
aaaaaaaa 188

<210> 1274
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 23, 37, 42, 43
<223> n = A,T,C or G

<400> 1274
ctgaggaaac ctttactgan gtnccattgg gctgagntcg annctgggca ctagggcata 60
attacttctt ggggaactct caaaggctcg acaggaccaa caa 103

<210> 1275
<211> 183
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 93
<223> n = A,T,C or G

<400> 1275
ttggaaaagca agcaactgct tgcttgaacg gaggcctaca taaaccccag ggacctagcc 60
ttctccccgg ggtagccat ttccaagat gtngtaagga ggtcacatgt atagagtctg 120
gcagctttgc aggaagctaa tatccaaatg aaactcagca gcccctcctt tcccagcttc 180
acc

<210> 1276
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 75, 111, 124, 139, 154, 171, 176, 182, 220, 221, 249, 262,
303, 305, 316, 325, 351, 356, 357, 375, 382, 411, 420
<223> n = A,T,C or G

<400> 1276
gactgagtgg actatgccga ttattaccag ggcctatggg attgccatgg tgaccagccg 60
gatgaactgt ccttncaacg ggggtgacctc atccgcattc tgagcaagga ntacaacatg 120
tacngctggg gggtaggana gctgaacagc tgtnattgga attcggtcca naggantatt 180
tnaccaccga ctttgaaatg gaaggaatat tgaagcccan ngaacatatt ctgagaccat 240
aagaaactnc cgteccctac tntggccatg gatccttctc ttccctgaat ggagccaaga 300
ctntnctgtt tcctgngact ttaanccact gttaagatga gtaggaagaa nacagnnat 360

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caatacctgt ttctnaagca ancagcttct aacttcctgc cctctctgtg nccccacatn 420
cataagcctt tcttacaagc ctgctacaaa 450

<210> 1277
<211> 150
<212> DNA
<213> Mus musculus

<400> 1277
gccagcccat ctctgggtag cccctggag ggggtgctga gaaagggtgct ggccccttga 60
tcccctccct tgctttctgt catcctttct tctcatgtcc acactgctct tcaaataaaa 120
acatttctcc tgctccctta aaaaaaaaaa 150

<210> 1278
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 38
<223> n = A,T,C or G

<400> 1278
gagcgtggat tcttctnaca cccatgtccc gccgcgangt ggaggacca caaggtttct 60
aatgaagaga ctgtgtgtgt caccgctcat aagagagaaa aagagggagg gaaggagaga 120
gctctttaaa caaaagacaa ggaggcccaa gttagggcct ggagccgtcc ccggagcctg 180
ctcagcctga agaccctcca gttccccggc tgggcaggca ttctcgagag ggtctgccac 240
cgaggcggaa cgggcggcg ctcgcgttc ccgcggctgg agaagaacta gagacaaagc 300
cgggatccaa ggccctccag cgaggctcca atcagcgccc gcccgagct cgctcgccgc 360
cgggcgaggc ggcacccct gcgggctgtg actagggagg ggagcccagg cccggactcg 420
gccttccagc cgccctggct agccctggct agccacgttc ccccggtcgc actcagcct 479

<210> 1279
<211> 177
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 62, 66, 71, 72, 87, 91, 101, 105, 124, 126, 127, 138,
144, 153
<223> n = A,T,C or G

<400> 1279
tggggggacc gtggcttctt ctacacacc tgtccccgcc gcgaatggag gaccacaaag 60
ancatnaggc nnatgggttt tccatctcc naaagaccac ncgtncaggt aagtcaccag 120
tgantnngag ttccaagnag gctnttttgg ctngtaaaac cccaaagaag actacct 177

<210> 1280
<211> 285
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 247, 263
<223> n = A,T,C or G

<400> 1280
gtggggagcg tggattcttc tacacacca tgtcccgccg cgaagtggag gaccacaaag 60

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attttctacc ttgcctcact cctctacacc gtcagctaca tctgggtgtct gtactcggag 120
ctgaggagga agagcggcca gagtgagagg agcacggttg cccaggtgac agattatggt 180
tgccaagggtg gtcacatatt gttccttttg ccaagtgaga ccccaaaagg ggtgatgacg 240
cctgtgntcc ttttgggcaa tgncaatgaa tgtttccaca acttc 285

```

```

<210> 1281
<211> 350
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 187
<223> n = A,T,C or G

```

```

<400> 1281
agcgtggatt cttctcacac ccatgtcccg ccgcgagtgg aggaccaca agatttatca 60
agaaaaaaga acggagatat ccctgtcagt gtcaatgaag atcctccaaa agattgattg 120
gagagtcaat gatccaagaa gacttagagg aggagtttca agacaacca ctgtggactg 180
gcctccttgg ctttctgcct tacctacttc cctccttga tcccttctc tttctcctcc 240
ctctcatggt gggcaagatc acacaatcct tccaacagcg tctagaggac cagctctcag 300
agtagcagaa gatattatgc aagctgcca gtgagaacca caaaggagac 350

```

```

<210> 1282
<211> 156
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 63, 65, 70, 81, 87, 96, 98, 122, 133
<223> n = A,T,C or G

```

```

<400> 1282
ggggagccgt ggattcttct acacacccat gtcccgccgc gaagtggagg acccacaagc 60
cgnctcatn tccaccgatg ngtttancta ctctgnanac cttcttgcaa caggagacat 120
anggtggcgg agntgttatt ttccagcggg aacaca 156

```

```

<210> 1283
<211> 266
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 49, 53, 92, 121, 122, 157, 167, 171, 193, 215, 240, 241, 244
<223> n = A,T,C or G

```

```

<400> 1283
tgtcccgccg cgaagtggag gaccacaaag gtaagcctct gtccttgant tanttctatc 60
ccaagtgaga accacaaagg ctcgagacca tnagcggcct cttgcatata ctttccagtg 120
nntttgtcag agagatccga cagagcccta gtcctncag aggtgggncca naaagcgagt 180
gacgagagcc cancagacat ggtaaaaatg accangtcca aaactttcca agcttatctn 240
ngcncactgt caccgaact tacagc 266

```

```

<210> 1284
<211> 184
<212> DNA
<213> Mus musculus

```

```

<220>

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<221> misc_feature
<222> 93, 94, 95, 96, 99, 100, 101, 102, 103, 112, 128, 134, 136,
145, 158
<223> n = A,T,C or G

<400> 1284
ggggagcgtg gattctttct acacacccat gtcccgccgc gaagtggagg acccacaagt 60
tccaaagagg tgcttgagct cgagtcctca aannnnnggnn nnnctggcag cntttgcggt 120
atatttgnaa acananaccc tggtnaccct agaggctntt acagagattc ttggcattga 180
acca                                             184

<210> 1285
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 76
<223> n = A,T,C or G

<400> 1285
gtggattctt ctcacaccca tgtcccgcgc cgaagtggag gaccacaag cgattgagaa 60
gattgtctac caaatntaga acagactaga tttatcccac agccactgga gaaaaaaaaa 120
a                                             121

<210> 1286
<211> 102
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 78
<223> n = A,T,C or G

<400> 1286
ggggagcgtg gattcttcta cacacccatg tcccgcgcgc aagtggagga cccacaagtg 60
gcttgagctc gagtcctnac accggagcca aaaagaagaa aa                        102

<210> 1287
<211> 228
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 108, 126, 130, 131, 144, 146
<223> n = A,T,C or G

<400> 1287
gtggggagcg tggattcttc tacacaccca tgtcccgcgc cgagtggagg acccacaaga 60
atcattaagg aaatagaatc tgccaaaatc aaatatatgt tctatttnct actaacagga 120
ggcccnaccn ngaggaggga gacngncaga ggattattct gatccagaat cgagacagta 180
atccagaggc ccaacctccc caagtgagaa ccacaaaggg agtaccac                228

<210> 1288
<211> 214
<212> DNA
<213> Mus musculus

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<400> 1288
gagcgtggat tcttctcaca cccatgtccc gccgcgagtg gaggacccac aaggtgggggt 60
ctttcagcag gcgcctcggg aatttcatct gatagtcgga catgatggct acgccttcaa 120
ccccagccta gcccgggtga cagcgcaagt tccaggatgg cagaggggcta ggcagagaag 180
ccctgtttgg aaaaaccaa gaagaaaagg aaaa 214

<210> 1289
<211> 281
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 197
<223> n = A,T,C or G

<400> 1289
agcgtggatt cttctcacac ccatgtccc cgcggaagtg gaggacccac aagctatata 60
gatttccatt gcgaagcttg agctcgagtc ctcaaacctg cgctccgat tgacgaaatg 120
cttctcacc accgtcatca tcggcgaagt taagggtgaa gactcatctt tagtaataag 180
gcatgactgt aattccngca ccctctggcc attattaatt atgattcatt gcatgaaaga 240
gaaaataaag atctacatac gctcaaagca caaaaaaaaa a 281

<210> 1290
<211> 336
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 71, 74, 84, 85, 87, 92, 102, 112, 127, 142, 143, 148,
154, 165, 190, 206, 208, 210, 215, 222, 227, 228, 229, 236,
250
<223> n = A,T,C or G

<400> 1290
gagcgtggat tcttctcaca cccatgtccc gccgcgaagt ggaggacca ctagaggcaa 60
ggacntgaag nggnggcctc ttcnntntag tncattctga anaagaagct gnccttcctt 120
tcaggangaa aggacagacg cnngtggnct catnttgaca attgncaggt gtgccttgag 180
catgacacan tatggatgag ctgagngnnc ctttngatta tntactnnnc attccnagtg 240
agaccaccn taggaattcc gctgtgcctt gagcagacaa gtatggatga gctgagtgct 300
actttggatt atctactcag cattccaagt gagacc 336

<210> 1291
<211> 310
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 56, 64, 65, 66, 70, 71, 77, 78, 82, 84, 87, 95, 102, 103
<223> n = A,T,C or G

<400> 1291
ttgtggggag cgtggattct tctacacacc catgtcccgc cgcaagtgg aggacncaca 60
aggnnngctn ngctcanntg tnanccntat cctgngggcat gnncaacaca gagtttctaa 120
cctggatcat gatatggaga tcattttaag gttcctttac ttcttttggtg tgaatcgggtg 180
tcctacggaa gatcagccat tgctccagcc ccaactgcctt ctttcttaaa gacactgagc 240
ggatccacct gtcctggatg tctagtcttg tgagaataaa attgttccca ttcaaaccaca 300
aaaaaaaaa 310

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<210> 1292
 <211> 394
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 64, 125, 181, 187, 340, 341, 343, 347, 357, 365
 <223> n = A,T,C or G

<400> 1292
 ttgtggggag cgtggattct tctacacacc catgtcccgc cgccaagtgg aggacccaca 60
 aggnatgtgg atgctgtgag ctcgagacct catttgggag tatttgtgtc cttcaaacca 120
 gaagntctcc tctttgtctg gctatcggaa acactgggta tgtggatgct tgagctcgag 180
 ncctcanaga ataacatgct ggagttgggt ctctccacat ggggtcccagg attggctatc 240
 agcctttgtg gcaggtgttt ttatccacga agccaacttt cccccatttt tcttaatgtg 300
 gatgtttaaa gctatgtatt tccacttact ttggetatgn ngnattncca ttctttnttt 360
 tcttntcttc tttcttccct ccttttagtt cttt 394

<210> 1293
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 1293
 ggacggaccc acaaggtata aggcagtatg gcttatcttc tttgtgctgg gcctggggac 60
 actgctcccc tggaattttt ttatgaccgc aaccaagtga gaaccacaaa gg 112

<210> 1294
 <211> 191
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 46, 48, 59, 65, 67, 95, 98, 102, 131, 134, 138, 149,
 151, 167, 174
 <223> n = A,T,C or G

<400> 1294
 tacacaccct gtcccgcgcg gangtggagg acccacaagg gacttntnga accatgccna 60
 agcncncag tgaagcaggg actgccttca ttcancancc anctagcctc catgcagcca 120
 tggatgacac nttnatgnga acacatgtng nctgcctagg ccatctnact ctgnccccat 180
 catgggccga a 191

<210> 1295
 <211> 377
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 39
 <223> n = A,T,C or G

<400> 1295
 gagcgtggat tcttctncac acccatgtcc cgccgcgang tggaggaccc acaaggcccc 60
 agatccaact acaagcaagg acatccactt cttctgaggt tgtcttggtt cctgggcctt 120
 cttatagcct gcagaaggac cctcccagtc tcctgggcag ccaagtaaag agaagtggga 180
 ccgcttctga catggcttcc ccgtgttctg gggacctcag cccactggt ctggccccgc 240
 cccctgtcac cactccagga ccggctgcgc ccaccgcacc gcgcttcccc gacatctacg 300

- REPLACEMENT COPY -

gcggcgacgc gcagcttttg gaggcgcatt tccgcggcat cgggcgcgcc taccgcgctt 360
gagctcgagg tccttaa 377

<210> 1296
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 121, 124, 145, 146, 148, 150, 151, 163, 167, 172, 180, 181,
185, 186, 188, 190, 196, 214, 219, 221, 225, 226, 228, 232,
237, 242, 246, 248, 261, 270, 275, 292, 295, 305
<223> n = A,T,C or G

<400> 1296
cgtggattct tctcacaccc catgtcccgc cgcaagtgg aggaccaca aggattccag 60
gatgccttcc cagaacagaa cccagacatg tgagccgctg gccggacaca acagaactgg 120
ngantgtata tactttgagg catannngnan ntactactct gcngtgnagg anacaactcn 180
ngctnngntn gcaggntgca ccaacggttg ctcttgggnt ntcannntntt gnaggcnttt 240
cnttangnac atggttggtg nctccttggg taganatggg atagcctcta tntcntcgac 300
tagtnttcca atacaatgct ttcttctact ccaccaaata aattccattt ttgccagaaa 360
a 361

<210> 1297
<211> 223
<212> DNA
<213> Mus musculus

<400> 1297
gtctgggtga ggatttttta ccccttacc ccccccttct acttttaact ctttgagaaa 60
cgttggcagt gactgcatat ggttgactt ctatcaagaa gcctggagaa gctgggtcaat 120
agaagagtat gggagccata ccatcggggc tgttgctgac agtggaaact gaaagaaaat 180
gtctattgat taaaatgaca ccatttcttc taaaaaaaga aaa 223

<210> 1298
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 131, 132, 134, 138, 142, 143, 144, 148, 150, 151, 166,
212, 214, 225, 243, 258, 266, 311, 381, 398, 416, 419
<223> n = A,T,C or G

<400> 1298
actgagggag gggagcatgt gtgtgccatg gcacaaaagc agaggccatc ttgcaggagt 60
caggtctctc tttccatcag gngggaccca aggagtcatg acatcagcct tggagagtgc 120
tgcccgtggg nnantgt nag tnnncctngn ngctttgagc ctttgncttc ccacctgtgg 180
catgggaaca acaacatgag tacagacaca gntnaggaga gaganagaga gagccagtat 240
cancttctgg tttggaancc tgagancctc tttctgagtc actttgtttc tgcccccaac 300
ctttgctttg ntatgggtcc tgccttctcc accagaggca ggaagagctg gcatggagct 360
gctgggcaac acgggacctg nttccccacg tttagtgngc ggacagaact atgttncanc 420
ctgggctggg gagtaaagct ctgggtctgca ga 452

<210> 1299
<211> 382
<212> DNA
<213> Mus musculus

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<220>
 <221> misc_feature
 <222> 73, 301, 325, 329, 365
 <223> n = A,T,C or G

```
<400> 1299
tgagactcag gctggtgcta tgaggatcaa accaagggtc ctagaagcag ttgcttgggg 60
cctgagaagt ggnctggagc ctgtaaggag aatcagcagt ccccatcaa cattgtcact 120
gctaggacaa aggtgaaccc cagactgaca cccttcatcc tcgtcggcta tgacaaaaag 180
caacagtggc caattaagaa caatcaacac acagtggaga tgacgctggg gggaggtgtg 240
tgcattatcg gaggagacct gcccgcccgg tacgaggctg tacagttgca cctgcaactg 300
ncaaatggga atgacaacgg ttcanagcnc agtattgatg ggagacactt tgccatggag 360
atgcncatcg tgcacaagaa gt 382
```

<210> 1300
 <211> 375
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 331, 355
 <223> n = A,T,C or G

```
<400> 1300
agtttgaagg aactgagtgc agcggaacac acctgtaata cttcaggaaa ctgaaacagg 60
aggattgcta tgaattccag agtggaatt accatatggc aagtagtaag ccagccagag 120
tcatagaggg aagccctgat ttaacctatg taaggataac aaaatctggc ctgttggtgt 180
gctaggatcc taggccaggg aggtgtaaag gccctgattg ctctggagga agctggctgc 240
gtgctgggag ggaaagggtca tggttcatgg actcatgctg gcaaagtgag aggtcaaact 300
tccaaagtag ccaaaaaagg aggaggaaga ngaggaggaa tagaagaacg aggangcgga 360
agaagaggag gaata 375
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<210> 1301
 <211> 125
 <212> DNA
 <213> Mus musculus

```
<400> 1301
cgctcactgg gggcccatcc tgctgttctt ttgacaatct cctggaagtg ggtcccatct 60
gtaagtatct aattcactct tctttttgaa aagtattctt gacatggagt ggaaaaacaa 120
acaaa 125
```

<210> 1302
 <211> 315
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 26, 127, 139, 179, 191
 <223> n = A,T,C or G

```
<400> 1302
actgaggctt tctatcacag gntgancttc atttttttcc ttttcctttt tgtgattgag 60
ctagcccagg atgtgattga gctagccctg gatgtgattg agctagccca ggatgagctt 120
cccacantac acagagtant ggtggctcag tggaggactt cttgcttttc cagtgtggnt 180
ggagaaatgc ncatttgaac tggatgttgc ctccgtcctt ggtttaggca ttactccttc 240
atggagtccc tgtctcaatc tgtaccagtg aacaaatgta aaccatgaat ttgtctttct 300
ttaaaaaata aaata 315
```

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<210> 1303
 <211> 241
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 138
 <223> n = A,T,C or G

<400> 1303
 actgagagtt tggattcgag tggtttttct gacatacctg aacacttgga gaggaacctg 60
 gtacagagga actctactat aaggatgagc cccacagatc cactgtaagc ctgacatatt 120
 aattgtgatg accttacnag aaaagtgata ttttaataata aacagcaaca gaatttaata 180
 atggatagag tatcccccaa aacgtctgtc atgcataatt aaaagcacat acttatgctt 240
 a 241

<210> 1304
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 58, 70, 81, 103, 406, 409, 421
 <223> n = A,T,C or G

<400> 1304
 ggctagtgtc gccttttcgga ttcactctgag aaaaggcctg ttgctgaggg tgacatgnng 60
 tgactatacn agactcaatg ncgggtgtact gagagcaagt gantgtgggt gctcaggcct 120
 gagtgggaca tccacatcaa cacctgccaa ggcccaggga gcttcacgga agaggactcg 180
 gagagaagat gagaacaagg cgatgagggg aagtgtctgag gaacaccgtt tcccaggcag 240
 aacatggcca ctgcactcct aatcgctcag caactgagat gacttgagtg agacctgcag 300
 aagactgggc ccgtcagcat cccatcatgg atgggtaagg gatcataagg acccgcttcc 360
 ctgaagctta cagttggtac ttgctgggat tgggggtgggc ttttangnt tttaaaaggc 420
 nacaccattt cccagtgtgc atgtgttc 448

<210> 1305
 <211> 280
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 67, 103, 109, 150, 151, 194
 <223> n = A,T,C or G

<400> 1305
 atcccacgaa tggtanactc ctgcaagcca gtggctcaaa ctgaccttga actgcgagct 60
 gacagtnngg cccgccggtg tttgcttccg catttcaagg tgnccctggnt gttgctggctg 120
 gagacgtgtt caaagaggtc atagatgaan ncgaacctgt gtgaaggag cacagactgt 180
 gaggtgtgta cacngtgacc gtcagggtacc tgctactgta attacagtgt agttctacaa 240
 tgataattaa aataatacac ggggccctga aaaaaaaaaa 280

<210> 1306
 <211> 116
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

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<222> 22, 37, 99

<223> n = A,T,C or G

<400> 1306

```
gactgagaaa cacctgtttt gngctgagtt attttgngga aaattatagt ttttgctttt 60
gtgaagttgg cattttcacc ttggccctaa taaaattgng tgtagaaata aaaaaa 116
```

<210> 1307

<211> 155

<212> DNA

<213> Mus musculus

<400> 1307

```
accaggaaga gaatctactg aaactacagc ttgctaagtt gtcttaacaa aagatagaag 60
ctcaacttga caagattcgt ctggatccca ggaaaaacat ggatccatga cttcttcaaa 120
tacagattcc tggttttctc tgtcggaaaa aaaaaa 155
```

<210> 1308

<211> 158

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 45, 59, 66, 71, 77, 81, 124, 126, 138, 141

<223> n = A,T,C or G

<400> 1308

```
ctaggggggca agaaatacga aagggcggtt gtggacatgt tcacnaaata ggggtctttnt 60
atcgantcca ntcttcnctg ncagcagttt agtccacttg gcaaaacacc aaatcaagta 120
gcantngact tgatctanaa naaactgcaa ggctcccg 158
```

<210> 1309

<211> 336

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 247, 256, 259, 262, 264, 272, 277, 279, 295, 299, 311, 312

<223> n = A,T,C or G

<400> 1309

```
atcgagggcc ctctgctgnc atcttctccc agggagtacc agaaacatat taaaagaaca 60
catgccaaac atcacactcc agaagccgat tgaaagttac taccagaggt acctgaatgg 120
ccgtggggaa aaacggagca gcccccggtc tcttgagct ggccaatgag gtggactatg 180
caccctcatt aatggctcgg attatcctgg agagatttct acagggggcat gaacagactc 240
caccctnact ggctanttnc tncnctcagg tnccttantng ttttctataa catgnatgnt 300
tgttaccttg nnccagaata agaatagatt agagca 336
```

<210> 1310

<211> 240

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 218

<223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 1310
gactgagata aggaggctcg ccagttcctc ctgccttcgg gaagatgtag gcattgcatt 60
gggaagcatt gtttgagaga tgtgctagtg aaccagagag tttggatgtc aagctgtata 120
atgtttcttc aaaaaaagtt ctaacaaagg gatctttaac ttttttttc tccttctact 180
ttccttgta ggctatcagc ctttgataa tgaaatgnga gctttgctta aaaaaaaaaa 240
```

```
<210> 1311
<211> 298
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 47, 93, 135, 159, 190, 191, 218, 229, 235, 236, 240, 249,
256, 272
<223> n = A,T,C or G
```

```
<400> 1311
gacactcaag gcaccagctc tcctcaaata tatagaagaa taaaagncaa ggaacaaggc 60
acagcattgc attccagagt agaacccag tgngcaacca ttgacaccaa cacactgggc 120
tgggacactg gcttntgtga tcttgacagc gggagttgnc tttgcatgtg aatgagctgg 180
ccaccattgn ngtaacgatg tgaaacagac gtgaaacngg ggaattctng aaccnnttan 240
tgtcttctng caacanaaaa ttctggttga gncacgttga ccattttaa aataataa 298
```

```
<210> 1312
<211> 119
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 18, 23, 30, 33, 73, 90, 95, 103
<223> n = A,T,C or G
```

```
<400> 1312
cgggcccagc ctgacgtntg tcntcttcan gtnggcaccg gcctcccag ggagcggggc 60
gggcagaggc tgncccatgg aaccgtctgn aaanacaacc ctnttacctt cccggggag 119
```

```
<210> 1313
<211> 182
<212> DNA
<213> Mus musculus
```

```
<400> 1313
tgagagatac tagatggcaa cttggggaag tattgcttgc ttagcaagag cttagggata 60
attcctgtta acagtaaaac tcatggccca ccagctacaa agtgtctttg ccatgaaaca 120
gaggacatga taaactgttt accttaataa aattcaagtt gcattgtgaa ttctgccaga 180
ta 182
```

```
<210> 1314
<211> 287
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 38, 40, 56, 73, 82, 90, 92, 151, 154, 197
<223> n = A,T,C or G
```

```
<400> 1314
```

- REPLACEMENT COPY -

```
aatgtttctcc catcggaata cctgaagcag aagaactntn ccattttcct tgggtntgga 60
ctaacagaaa atnaaaatgt cncataggtgn gnaaggatgg ctcagaagca aaggacattt 120
gttgctcctc cagaagactg gagtatgcct nctntcacac acatttgggc agcccatgat 180
gcctctaagt ccagctncag gagatctgat gctctcttag ccttcttggg caccatgtg 240
cacgtggcat gtgcacacac aaggaaataa ataaatagga taaataa 287
```

<210> 1315
 <211> 101
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 33, 40, 42, 43, 49
 <223> n = A,T,C or G

```
<400> 1315
ggggatccaa cgccctatatt tggctngctc tngncactgn anntagagna cagaatacat 60
gcatgcaaaa caccatata caaaatataa ataaaaataa a 101
```

<210> 1316
 <211> 214
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 169, 172
 <223> n = A,T,C or G

```
<400> 1316
acactgaggt ctgctgaatg ctgtggactc ggatgctgta tcaggcctgg gtgttattgg 60
ccatatcatt gaaaaagaca agatcactac caggacgctg aaggcccaga tggactaacc 120
tatgctctgg atggactaac ctgtgctctg gtcccgtctc cctttttgnt gnttttcttt 180
ttaataaaat cacctttctt tcaaaaaaga aaaa 214
```

<210> 1317
 <211> 328
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 30, 146, 180, 187, 235, 240, 242, 248, 267, 282, 287, 288
 <223> n = A,T,C or G

```
<400> 1317
agcctgagcc agatacctga tgaatactnn aggtagaagc atttctacac tgactcaact 60
cagctataaa cctctgcaag gaaggaattc taacccatag atgctggtat cacctgcacc 120
aaggcaaagg aagaaggatg cttcantctc cagacagcct gatccaactc cagatgtcan 180
gatagancaa gtggctgggg accctggggg cacagtctta gggtatgatg cctgngcaan 240
antcttgngt tttgagatgg agttagncca aagggaagag cntaaannaa ctcagatcca 300
cactgatctg cctgacacaa ccccgaaa 328
```

<210> 1318
 <211> 325
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

```

<221> misc_feature
<222> 40, 41, 42, 46, 47, 66, 68, 69, 71, 74, 76, 81, 82, 105,
107, 116, 117, 118, 123, 142, 144, 154, 156, 180, 186, 195
<223> n = A,T,C or G

<400> 1318
agacctgggc agagccataa ttactttcttg tggaactctn nnaggnngga caggaaaaag 60
ggtatngnnc ngtnngcaa nnacacaccc ggggactggg ttcntncca tatccnncc 120
agnatagaat tatcacaata cntngcattt ttcnantggt tggcttaggc ccaataaaan 180
agganaaga gatcntgcaa aacaaagagg atgaaagcaa ggctgacaaa ctcagaagaa 240
cagcggtgac ctgcgagggg tgagtaagaa aagaattctc tgctgcccaa cactgtcaca 300
ggcaggacag aagtgaactg aggaa                                     325

<210> 1319
<211> 227
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 153, 203
<223> n = A,T,C or G

<400> 1319
tgtctggtgc ctgaccttta taggaagaga agtcatttat attcaggagt tctgcagaga 60
tacatgtcct ccaaagcacc ttctttgtct tgtcataata aggacagtgc atccccctct 120
gagcagctag aattggatgg gtggaaagct acnatgaagt cgagcattca agaagatggt 180
gtttcagagg tctcagacaa agntgaagat tcccttcgcc tcggcca                227

<210> 1320
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 38, 65, 70, 83, 157, 189, 269, 276, 280, 287, 296, 324,
331, 333, 343, 352, 364, 367, 371, 423, 432, 443
<223> n = A,T,C or G

<400> 1320
ggcatcctat cactttacag cntaagatgc tccgagcnca gcctgaaatc ttggaatgac 60
agcngtcan acctctgtag cancagacca ggaggaggaa gaggagatgg tcttcggtga 120
aaatgaggac ggactggaag agatgatgga cctaagnac cttgcccacc tcactctttg 180
cttgacagtn tccatgaagc agtgtttgag gtccaagagc aaaaggagag gtttgaggcc 240
ctgttcaccc tctacgatga ccaggtcana ttccanttgn tcaaganctt tcgcanagtg 300
aggatcaact tcagcaagcc cgaagccgcg ncnagagccg cgnatagagc tncatgagag 360
tganttncac ngccggaagc tgaagcttta cttcgcacag gtgcaggtgt ccggggaggc 420
ccnggacaag tnctacttac tgnaccaca gccaccaag cagtt                    465

<210> 1321
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

<400> 1321

```

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```

gactgagatc gctttnacga gagaagactg atgaagaccc cgaggtgcat caacccgaga 60
cctggacaga gggcctggcc ccaggtggac gcgaaggcgg cttccgtctc cctctgagtg 120
catctgtgga cttggttgca ggctcacctt taagatattt gtgtgactcc caacttctct 180
tccgtatctt agcagtttga ggttcacgag gcagcaagga tcagtaggaa gcacaggtat 240
taacaagttg gccaaagttc acgtcccacc tctgggatgt cgtttagtgc ctggtgtcat 300
ggtcgcagtt actctttcat gtataaagca gggatgctgt atctacctca cacggttact 360
aaaagcaaac acggaatcca aagccctggg cacatgccga catctgaaaa gctgggtgtt 420
ctcccacctc cctccgagtg catgctgtac gcagctcttg cttttatccc tggggaaagg 480
ctgaggtca                                     489

```

<210> 1322
 <211> 169
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 19, 35, 49, 52, 56, 58, 59, 68, 73, 77, 85, 102, 112, 114,
 115, 139
 <223> n = A,T,C or G

```

<400> 1322
aaccagcaac ctaccctgnc tcttgggacc ctagnattta tataccctnt gnagantnnc 60
cagaattncac gangtcncac tatcncagaa actatactca gntggcaata anannatacc 120
cctgctagag cattgaggna aatcatagtc agctgctgag gacagactg          169

```

<210> 1323
 <211> 269
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 76, 93, 223
 <223> n = A,T,C or G

```

<400> 1323
tgaggctcag attcccaacc aacaaggnc t caagggagga ccaccatgtg ccgagccatc 60
tctcttaagc gcttgntgct gctgctgctg canctgtcac aactcctagc tgtcactcaa 120
gggaagacgc tgggtgctggg gaaggaaggg gaatcagcag aactgccctg cgagagttcc 180
cagaagaaga tcacagtctt cacctggaag ttctctgacc agnggaagat tctggggcgag 240
catggcaaa ggtgtattaat tagaggagg          269

```

<210> 1324
 <211> 566
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 20, 25, 31, 46, 61, 62, 68, 79, 86, 88, 103, 128, 129, 153,
 163, 177, 194, 214, 215, 236, 246, 252, 253, 279, 328, 373,
 395, 418, 449, 475
 <223> n = A,T,C or G

```

<400> 1324
tccacgctga gcccatggtn cacgntcaga ngaggtggag tatgcntaag gcctgcagat 60
nnagggcnca ctactgcanc ttaagncccc atgcctgcaa agnaagctgt acccgttgga 120
gccatcanna cctaactctga agcgagggag ttngacgttc tcntaagcaa gggctgnctc 180
catggcctcc tcanggtatt ctgtaccag tggnnacagt agtccatca cggtantgag 240
atgcangatg cnnaaagagc cttctctacc tggcttatnt ccatttatcc tgcacatgcc 300

```

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```

cgagatgcc  atcatacagc  atgatacnag  gtcagctgac  tgtggaaggg  aggagtcatt  360
catgagccag  ganaacaaag  tgcacttgaa  gctgngaact  ctacagagtc  agtcagtnaa  420
catcccatgc  ttggctccca  cgctcccgna  gactgctatg  ggtcaacggc  ctcangtgct  480
cccaaaaacg  ggcaatccga  tccaacgatt  gcttttactt  tgacagctgg  tgctgtcag   540
cttatttata  cttcgagaat  atactg                                     566

```

```

<210> 1325
<211> 193
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 63, 65, 93, 97, 101, 102, 107, 108, 117, 119, 121, 122
<223> n = A,T,C or G

```

```

<400> 1325
gtggggagcg  tggattcttc  tacacaccca  tgtcccgcgc  cgaagtggag  gacacacaag  60
gtngntaccc  aagttgtgct  cactaccatg  agnttcnatt  nngcccnngg  agaaccngnt  120
nngatacaca  gttaaataca  cagttgcaag  cagaccaaga  gcatcaggat  gccaagtga   180
gaccacaaa   ggg                                     193

```

```

<210> 1326
<211> 386
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 60, 64, 70, 71, 77, 79, 183, 200, 206, 208, 210, 219, 228,
233, 236, 248, 257, 258, 259, 359
<223> n = A,T,C or G

```

```

<400> 1326
ggggagcgtg  gattcttcta  cacacccatg  tcccgcgcgc  aagtggagga  cccacaaggn  60
cacnatactn  nctgcgngnc  gtctgaaaaa  cgagtgggtg  gaaagccatc  cagaggcttc  120
cattagttag  atttttgagc  agaaacaaca  attggaagat  atcgtctccc  ccacccctagc  180
acnaaatgtc  tacaccacgn  catttngntn  cctcataang  agaccttnca  ctnatnaaca  240
ggccaagnga  gaagcannna  ggttttacag  atgccacatg  gtgtagaagg  ctacattaca  300
tttcagtatt  aaatacgaca  aacctgttcc  tcgttcctgc  caagttcaag  aaatagatnc  360
aggcttttgt  caaacagccg  aaaaaa                                     386

```

```

<210> 1327
<211> 245
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 56, 70, 76, 84, 102, 121, 122, 135, 144, 146, 153, 163, 166,
196, 212
<223> n = A,T,C or G

```

```

<400> 1327
gagccgtgga  ttctttctac  acccatgtcc  cgccgcgaag  tggaggaccc  acaagnctgg  60
gaatgagatn  cagggnctta  tacntactag  cacaaatgct  gnactacgga  accacacttc  120
nnaccctgtt  ggttntggag  aatntnctga  atntttttct  ganatntact  gaaggtcacc  180
agctttggag  aatccnagga  atgttcccc  tnaagaggaag  aatgctgttg  gtcagtgaag  240
aacga                                     245

```

```

<210> 1328

```

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<211> 499
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 44, 133
 <223> n = A,T,C or G

```
<400> 1328
gtgggggagcg tggattcttc tacacaccca tgtccccgccg cgangtggag gaccacaag 60
aaccacagcag tgatgtggag gtggagactc acgggagccc cggacttcac ctgagctacc 120
tcagtcgcca agngagaacc acaaaggaag aagaccctga cttggggggg accaggatgc 180
ctgaccggga cagctatgcc aacggcactg gcagcagcgg tggaggccct ggaggtggtg 240
gcagtgagga ggccagtggg gcagggacag gcagcggggg agccacctca gatgccatct 300
gtagagactt cctgaggaac gtctgcaaac gaggcaagcg atgtcgatac cgccaccag 360
acatgagtga ggtatccaat ttgggggtaa gcaaaaatga atttatcttc tgccatgact 420
tccaaaacaa ggagtgtagc cgccccaaact gtcgtttcat tccacggctc caaggaggat 480
gaggatggct ataagaatg 499
```

<210> 1329
 <211> 140
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 69, 71, 74, 75, 76, 80, 82, 86, 94, 96, 103, 108
 <223> n = A,T,C or G

```
<400> 1329
gggggggagcg tggattcttc tacacaccca tgtccccgccg cgaggggagg acccacaagg 60
actctcagng ntcnnntctn tnctnttca ccangnagat gcnggacnga ttccactctc 120
ccaagtgaga accacaaagg 140
```

<210> 1330
 <211> 262
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 61, 86, 102, 126, 150, 154, 159, 160, 162, 166, 170, 175,
 187, 188, 196, 202, 211, 241
 <223> n = A,T,C or G

```
<400> 1330
gtgggggagcg tggattcttc tacacaccca tgtccccgccg cgaagtggag gaccacaag 60
ngctgcttta tcacctcact gcttangctc tgctctcaag cnaagccaag tgcaaactct 120
ccaagngaga accacaaagg cggccttggn catnatagnn tngacnagcn tctgntccct 180
ctaccanntg aaaaantact gnetcttgac ncaccactac ccagcctacc cctgctgcgg 240
nggagtctaa acctttaaat ga 262
```

<210> 1331
 <211> 341
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 57, 60, 62, 64, 65, 67, 70, 75, 78, 79, 83, 103, 104, 105,

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122, 152, 173, 174, 183, 186, 190, 193, 217, 228, 234, 251,
255, 262, 265, 266, 281, 308, 309
<223> n = A,T,C or G

```
<400> 1331
agcgtggatt cttctcacac ccatgtcccg ccgcgaagtg gaggaccac aaggctnttn 60
ancnnanctn tgaanaannt tgntatgctt aaagaaatgg acnnngatct taactcagta 120
gncattgctg tgaagctgca ggggtatcaaa anggattctt cgctccgatg agnncatcct 180
ttnagncagn ggnctgggtgg agacagagct ccagtttact cttctccntc cagnaccctt 240
atttccttat ncganatgcc ancannactg caaattatgt ngcacaggag gaagcggtag 300
aagaaccnna actatcttgg gctataaaaac cttagctgag g 341
```

<210> 1332
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 54, 67, 98
<223> n = A,T,C or G

```
<400> 1332
gaggggagcg tggattcttc tacacaccca tgtcccgcg cgaggtggag gacncacaag 60
gtagccnttg aaacattggc ttgagctcga gtcctcanac tactatgagg attaaattaa 120
ccaatatatg aaggtacttt ctacaataaa atgctcatta caaatgttaa aaaaaaaaaa 179
```

<210> 1333
<211> 109
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 32, 79, 91
<223> n = A,T,C or G

```
<400> 1333
agcagcgtgg ctaagttnta cacacccatg tncccgccgt gaagtggagg acccacaagt 60
ggttcaactg gagctaaanc cgaggcccgg ntagcaggta gaccttttag 109
```

<210> 1334
<211> 236
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 74, 80, 103, 110, 111, 145, 146, 155, 168, 183, 202, 205
<223> n = A,T,C or G

```
<400> 1334
gggggagcgtg gattcttcta cacacccatg tcccgcgcg aagtggagga cccacaagga 60
ttgaaaagac aaantcagan ggattgaggt tgctgaggag acnaatattn nagacctagg 120
atcaatcacc aggaacagaa gtggnnatac atgtncactc atacacanca catgcactat 180
aanataatga gttaactaga cngcntcata aaaatcaatt aaccaattct acctct 236
```

<210> 1335
<211> 246
<212> DNA
<213> Mus musculus

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```

<220>
<221> misc_feature
<222> 25, 33, 39, 41, 59, 61, 63, 64, 69, 74, 78, 82, 92, 112,
128, 167, 174, 191
<223> n = A,T,C or G

<400> 1335
ccatctagca catgggggct cacanccatc tгнаатгана nctgacacac tcttggtgng 60
ngnntgaana cagntacnct gnacttattt gnaatcataa ataaatccta gngccggccg 120
gagctagnng agtgtaccag agcgagcaaa agtcctaaat tcaattncca gcangctgat 180
gaagcttcgg nacagctaca gtatgtactc atctacataa aataaatgat taaattctta 240
aaataa 246

<210> 1336
<211> 429
<212> DNA
<213> Mus musculus

<400> 1336
tgagggttgaa aacctaaaac ggatgaccca ccaattggcc tgggtccact gtgttgcgga 60
agatggagga ggggagctgc agagattcgg gggtttattg tataccctca tcctcctgcg 120
ataccaagcc agccagaggt ggcgtccctg actgctctgc ggtcctgggc agggcaggaa 180
gctggcgcgcg ccgcccactg ggcaggcacc acttggccta gcccgtgtt cgctggaact 240
cgcgaaagcac catcactctg agttgagttc ccgagactcc ggccctggta ccctgagctg 300
ttttcctccc acatcgtcag ttggcctctc tcgcaagtct cctgatctcc cgccatctgc 360
ttttcccttc cttgaccgat ctctggaact tcgaaatata ttcaaccgcc ttttctgaga 420
aaaaaaaaa 429

<210> 1337
<211> 142
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 49, 50, 51, 53, 57, 60, 65, 68, 72, 74, 75, 77, 85, 106
<223> n = A,T,C or G

<400> 1337
actgaatgga gtgtttgaat tgcgctttgc gactctgaag gctgaaggnn ncnggcngan 60
acggnagnca tngnntnccg tcatnccctg acatgcttta ttattntcaa ggccatggat 120
ttactactga aactttttct tg 142

<210> 1338
<211> 416
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 93
<223> n = A,T,C or G

<400> 1338
tgagggtggg tctttcaatt agcatctcct gcgcgcctcg ctgcgcaccc cggacccctg 60
ctccgcgcgg ggacccccgg agcagcacc tanagccgga agacgaggac gatgaggaag 120
atgaggacac catgacgagg ctgggtcccc atgacacgct gcagggccag gagctgtcca 180
cagagcccga cgggcccctt agtgtcaatg tcttcacgtc agcagaggag ctagagcggg 240
cacagcgggt ggaggagcgt gaacgaatcc tgccgggagat ctggcgccact gggcagccag 300
acctgctggg cagtggcacg ctccggcccc gagccacggc cacgctggga cgaatgcact 360
attactgaca cccggcccct tagcgtgggg ccagagtact ggatatggga ctgcct 416

```


- REPLACEMENT COPY -

<210> 1339

<211> 245

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 81

<223> n = A,T,C or G

<400> 1339

```
agagaaacac ctatgtgtct gttctcagcg aaacatcccc ccaagtgcct gcttcagcaa 60
aacatcctct cctaagacag nttcctggaa aacatcacat gacacaaccg agtctccaaa 120
cgaacaaaag ccagagattt ccacttcaga tatcctttgt atgaattttc ttgatgacct 180
ttgtgggact tcttaaccga acaacctcct gataaagttt gtgcattctg gctgaaaaaa 240
aaaaa                                           245
```

<210> 1340

<211> 142

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 35, 40, 54, 95, 103

<223> n = A,T,C or G

<400> 1340

```
ctgccctatc ctacgtcatc acctgcagct ggntncaggn tccaaggatg aatngggcggg 60
aatggacttt cccccctttt ttcccccttc tttntntaaag cngtctgccc attaaaaaatt 120
tgaaccttga gcaaaaaaaaa aa                                           142
```

<210> 1341

<211> 221

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 18, 33, 68, 94, 101, 117, 122, 136, 177

<223> n = A,T,C or G

<400> 1341

```
atcccactgt gactcannaa tacacctttt gtntaagag gacgacgagc ctgtgagaat 60
tccccatntt cccttccaga agtccaccct gtgntctgctg ngaacttgag atgtatnatt 120
gnagcccctg ttgtanatga agccccattc tcctctagcc gaacatgtta aagcctncat 180
tctccatgaa gactgtcatt ggaggtagaa ggttttaagg a                                           221
```

<210> 1342

<211> 321

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 28, 57, 58, 60, 100, 126, 180, 238, 245, 248, 258, 268

<223> n = A,T,C or G

<400> 1342

```
actgaggtct cttctagcct tntgcagnac gtgcctaccc acacgcgctg aacctgnntn 60
accacaacct gagcccttgg atgacaggcg aagcctttcn cattttgcct aggattcccc 120
```

- REPLACEMENT COPY -

```

gatgcncgcc tgtctctagc caagcctggt gatctaagag gcaggggtctc caagactcan 180
ccagtaggga gagctgggcg aatggatcca atctgagata gtgctcctgt gcggggttnca 240
tggtnacngc cacaccncnc ccgctggnga cagatgtcat gcggggtcacc tcaactccagg 300
gctgaggatg agaccttaaa c                                     321

```

<210> 1343

<211> 459

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 76, 98, 132, 202, 271, 339, 346, 371, 389, 424

<223> n = A,T,C or G

<400> 1343

```

actgagggaa cagcggcagg tactgtggcc tgagcctact gcgcctgctc ctcttcaaac 60
tgcttctgct cgatngnctc ctgacctgca gccacctncg cctccatgtg ctggcgggcc 120
agcacctcca gncaccaccc tcacgcaagt ccttgctccc caccacaga atttgacat 180
agttatgagt ctctgagctt anatcttacc caccctctg agcccagggt ggtggtgatg 240
ctggacacta ctgctccctg gggccaggaa naacaaagcc caggctgtga ggaagccagc 300
tgggcccaga actcacgac cccctcagc gctccttgnt caaagngggg gtttcttttt 360
gctttttctg natgggatct gcctcttgna aatggagcta tcctatcaga aactgggctc 420
ttgnctctcc tatcagactg agactttggg aagaaaagg                    459

```

<210> 1344

<211> 215

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 166, 169, 177

<223> n = A,T,C or G

<400> 1344

```

actgagttac aggagaatgc tgctcaagca ggggtgacctg agtcatgaag gtggaaagag 60
agaaccgact ctgaaatagt cctcggaactg tcacacacat gctgcgacct gtgtgatccc 120
acatacgtgc atccaacaat cattaataata aagtgaagcca ggcagnggng gcacacncct 180
ttaatccagc acttgggagg atttctgagt tgagg                    215

```

<210> 1345

<211> 446

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34, 44, 59, 204, 205, 207, 216, 217, 221, 223, 228, 234,
236, 239, 253, 255, 256, 265, 271, 276, 290, 312, 333, 375,
377, 382, 387, 388, 396, 397, 401, 420, 422, 427

<223> n = A,T,C or G

<400> 1345

```

gtggggtctt tccaagggtga tgaagaagta cggnaaaagc ggcnggctga tctgtgacna 60
cgtgacgtgg acctgtgtga ctgcctggag aagaactgtc tgggatgctt ctaccctgtc 120
cccaagtgca actccaacaa gtgtggggccg gagtgcgcgt gcaaccgccg ctgggtctat 180
gatgccatcg tcaccgagtc cggnnangca cttatnnccc ngnccttnag tgcntntgnc 240
taggagattt tantnntaga ataanagact ngattnacct ttgttgctcn gatatagaga 300
tactttttat tntctttgtc aaaggaagcc cangaagaaa agggttttta gtactgccaa 360
ggaggccgga ggatnangca anagctnnaa aagacnnatt nacaaccgtg gaagagcttn 420

```

- REPLACEMENT COPY -

anaactntga cttggaagtt aagccc

446

<210> 1346

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21

<223> n = A,T,C or G

<400> 1346

tgagctctct	tcgccgaatg	ncatccaggg	aaattccctg	ggaacatctg	gctccaatat	60
gatctattac	ctggttgtag	gcgtgacagt	cagtgtctgt	ggatattaca	cttacaaggc	120
tttaacatca	aagcaagtga	gacgtacaga	acatgtagct	gaaccgaaag	aacaaacaaa	180
ggcggagttg	caaccacttc	caggtgaaaa	ggaagagcat	gtggcagaag	ccgagcaagt	240
gtgttcagag	cctggagaca	ctgctgtaaa	ggaagctgaa	tcggtagatg	ctgaggaagt	300
cccagaggct	gcagttgtgc	ttccagaaga	gtctcaggcc	tccgccccct	ccgaggtccc	360
tgccgaagct	gccg					374

<210> 1347

<211> 536

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 127, 182, 184, 198, 207, 340, 351, 399, 442, 485, 491, 493, 519

<223> n = A,T,C or G

<400> 1347

cagagccaga	ccacacctta	gctccacagc	cgctttgaat	ttatggatgc	agttagctat	60
ggtgtttact	ctccctgccc	ctctgtattg	ttaacctccc	ctcccccaag	ctggactccc	120
cttgaangag	ctctttgttt	cccccttagt	tgtagctttt	atcagacagc	agtggggggtc	180
ananggtttg	agtggcangc	ttcgcangca	gtctggtgac	tgactgtctt	ggtgggttta	240
aagaaaacag	agagggctga	agcaccgggg	gagatgcgtc	cccacgcccc	tgtaactgag	300
aaacaatacc	actcaatatt	ccaaccggct	ggggctggan	cgatggctca	naagttcaaa	360
atgcttgctg	cccttgacga	agacctgagt	ttggagtcnc	acctaagttg	ggcactctca	420
accacctgta	attccactcc	anaagatctg	aaacctcttt	ctggcctcct	caggcactgc	480
actcncatgc	ncntaattta	aaataaaaata	ataaatctnt	aaatgcgttc	ggtccc	536

<210> 1348

<211> 400

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 176, 178, 180, 221, 289, 311, 312, 313, 320

<223> n = A,T,C or G

<400> 1348

tgaggtgagg	tttaatgatt	tacatcgacc	aaggaccgcg	agcctcggtc	tctcgaatcg	60
gatccgacat	catccaacac	ttcagtgtta	gaattgcaag	catgcgctct	cccgcactgg	120
gcaggcactt	cgaaaaaatg	atgactaaag	acacaccgtg	aagtaccaag	cgaaantnan	180
agtccttatg	ggacagtgc	tcacacagct	ctaattccat	nctggccacc	aagcaataat	240
gcacatttct	aactggaagt	caagcaaaca	ccaacacttt	cacacttgng	cccatttctg	300
acgagttacg	nnnagtgggn	accaacactt	gcacttagcc	ttgcctcagc	ttcgagtggc	360
acaaggtagg	accaaccaca	ccctaccata	atgcaccaag			400

- REPLACEMENT COPY -

<210> 1349
 <211> 388
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 62, 87, 139, 151
 <223> n = A,T,C or G

```
<400> 1349
gggtcttttag gagtatcttg ctggttatgt aagcgacctc gggagaaatt atcctgaccc 60
anacgaggagg atgcggtagt gcttcanctg caggatttct tcgtcgtaa caccacagt 120
ctgatgacaa agagcaagnt gtaatccgca nactgccag ggctgagccg ggcagacaga 180
aaatcgtcat ttgctgctca caggcttggt aggttacagc ctctgcttcg ttctgtggtc 240
ttggcttttc ttcctataca atgacggcgc tgcaagttag ctcaaaaatg cttggtttga 300
aagccatttg cctgtgattg tttttgaaga ctaaaagaat atttatgctc gattaataaaa 360
atactgctca cgaacaaaat gaaaaaaaaa 388
```

<210> 1350
 <211> 338
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 17, 34, 48, 59
 <223> n = A,T,C or G

```
<400> 1350
tggtgggaagt acaggnncct cccagacaga aacngagccc aagtcttncc acacctggnt 60
cctatggaga cctggagacc ggtccccagg agctaccaga tgagatttta ctgggggtgaa 120
gacctgaggc tataccatgg gcacacagga cacgtgtggt taccatactc tggctattcc 180
atattataac cattccaaag tgtgctaggt gatgatttta ttaagtccag tgataggaaa 240
gactgggaac actcaagaca tttatttagt aaaacagtgc tctgtcctag aggggttaagg 300
cacatgtggt aattaaaaaa ctcaaaggct caaaaaaaaa 338
```

<210> 1351
 <211> 424
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 138, 165, 174, 195, 210, 243, 245, 253, 258, 291, 329
 <223> n = A,T,C or G

```
<400> 1351
cactgagttt tagaagtaag tttgttagag gctcatctgt ccgaagcagc atgcctggcg 60
aaaccagcac agcgagaagc gttgctcttc ctccatcagt tctatatccc tggacagaat 120
gccatcggaa atcttgngga agatactttc ttacttggat gcggngacct tggngtgcag 180
tggtatgtgt agcanacgct tttatcattn ggctgatgac aatcttattt gggtcaggaa 240
gtncncagct gcntttanat caaaaagatc acggttgaaa gctacttcag nggaggaac 300
agccacaagt ctgagcttgc tgtcagttng ggataaagaa gatggatact ggaagaaaga 360
atatattaca aagcagatct catctgtgaa agcagccctc accaacagcc tcagtccagt 420
taag 424
```

<210> 1352
 <211> 441
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 28, 63, 67, 70, 73, 120, 149, 151, 179, 224, 226, 241, 269,
273, 279, 359, 390
<223> n = A,T,C or G

<400> 1352
aggcagagcg ttcctccact aacttggnctg aattatggaa gtactggcag gacttgatgc 60
tgnacagnagn ggntttacag gatttcatca ggctctgccc aggaagtctc tattcccagn 120
ttccaaatga gctgcctgtg tggggcagng ngctggacac aaacaccctg gtcttcagnt 180
gagctgaggt cttgaaccctg ggtgggatcc ggcggttgga gatntncacc tacatgggag 240
ntagatcttg tctccaggat ccctggctnc tgncaaagnt accgccctca cagtcccacc 300
ccacccccag gagaggtgtg tggctatcag tcatgtagct aacagcacca agccttctna 360
catgcaaata atgttcccc caaactctcn gttcaagcca gtgatagata cctgctgtcg 420
aaccctgaat caccctaaa t 441

<210> 1353
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 78, 106, 116, 133, 149, 152, 165, 182, 225
<223> n = A,T,C or G

<400> 1353
tgaggaaata ttaaaaaatg aaccacacaa ctctctgcac tcttgcttct ctgaaccgcg 60
caactctctg gccggggngg gccactgtta ccactctagg actggngcca gcaggngccac 120
aacattatgt ctncacgggg tcccaccant tntgggtcca cattncaata accaaataga 180
tntgccatgc tcgaagtgtg ataacacaat acccagtaac ccagnaaact caatgcttat 240
agttaaccaa tcagatttat atatcaataa actctcaata cactagaaaa aaaaaa 296

<210> 1354
<211> 272
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 32, 37, 56, 65, 73, 74, 84, 90, 92, 97, 121, 151, 160,
161, 177, 180, 190, 198, 199, 214, 215, 218, 225, 245
<223> n = A,T,C or G

<400> 1354
ctggcggtgc atggaatcca natctgtgct gnggcangat gcttgcggtc gactanatcc 60
gcgangggcc ggnngctccg tgcngcccn anagtgnatg ccaaacgaag aacacagaca 120
ntgaaaagta agcaggcttt aaacccttag ntctttttgn ntagctgccc ttcgaanctn 180
gccttttcan agtctgcna agagtttctt agtnnganat ctttncaatg gagtattctt 240
tctgnacaat gtttaaacag caataaatat ta 272

<210> 1355
<211> 220
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 29, 73, 79, 80, 184
<223> n = A,T,C or G

```

- REPLACEMENT COPY -

<400> 1355
tgaggcagaa agttttcttg acgatagnna actttgagtc cagcctcttg ccgctcaccg 60
ttcccaagtc atngggggnn gatattccct catccgcagc tccaaagaat tacatgcaga 120
ggaaaccgtg ggggttcaggg gcaggggtct gtcagttgtg ggttctttta ctggattctc 180
ttanagatgc tgagttgcaa tgaagttgga ggcttgga 220

<210> 1356
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 33, 37, 42, 43, 51, 59, 62, 63, 73, 76, 88, 93, 97, 98,
101, 108, 109, 124, 126, 127, 130, 146, 148
<223> n = A,T,C or G

<400> 1356
cctggacaac acaccatctg gatccantgg ctngtgncac annggcctcc ncattagang 60
gnngaggata gcnatnctta gacattgnct ganctgnnct natggcannc cttgcccagg 120
ctgnanntgn ggactcctta ggtgangnta gaatttacca ggacaccact ctctctttt 180
ctcctttggc acccgcttgg aggcccgatt cctctgaaga ctatcttgga tttcttgga 240
ccctgcttca ttctggcctc ccgagatgta ttgggaatat aacattcttg tttagaataa 300
aaaaaa 306

<210> 1357
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 40, 63, 74, 78, 86, 113, 121, 133, 153
<223> n = A,T,C or G

<400> 1357
accaggggga tgctggagaa ctgaaactga gtcctatgcn agatgctgag atatctttcc 60
agnccctggc ttanaagntt tccanaaaat ccacgctact agcactggat ganagatgtc 120
natctatcta gtntttttaa taaatcctac gcnggtgcct tgggtttcca cagcataaa 179

<210> 1358
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 57, 73, 107, 113, 208, 255, 257, 279
<223> n = A,T,C or G

<400> 1358
agccatcgtc tccagcccaa gagatcactc ttgcattgtg acaccatgca atgcttncgt 60
ggcctctcct ggncttctact tcacagagaa atgcaccaa gaacttnttg tantattctg 120
gctgaatcct gccgcttctg gttcttgcca attccgcaga atcgtacgtt cctgctggat 180
ccagcgctgc tactgattcc cgtgtggngt ttgctattgg actggaccgc tggatcctg 240
acaaccgaag agctngngtt gcccaaaaaa ctaaaatgnc ctacagactc ctttttccta 300
ttaacctttc ttccccaccc cca 323

<210> 1359
<211> 189
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 37, 51, 53, 57, 60, 75, 84, 93, 131, 142, 148, 167, 172

<223> n = A,T,C or G

<400> 1359

```
ataaggcgcc aggataggcc agggaggggac ccncatntta agtcggatct nancctnagn 60
ctggggcgac gagtntgccg gctnatcgaa gcnggtggct cctgcacaa cccaagaagc 120
ggctggatcg nagagcactc tngatctnag caccctcgg agacttnagg cncacattgc 180
acgtggcac 189
```

<210> 1360

<211> 442

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 35, 40, 44, 85, 86, 96, 101, 113, 152, 154, 160, 167,
180, 201, 223, 225, 270, 273, 275, 289, 313, 316, 328, 386,

423

<223> n = A,T,C or G

<400> 1360

```
tgagtggcat acctggngag caataactaag gtagnatggn ccgntactac aaattctatt 60
tatgaacaat gctatctcaa agcannacca ccaagnaagt ngaggagttt gtntcaaact 120
taggttaaac gatttgagga acagctataa anangaccgn tggaatngac ttccttcagn 180
cttttaccac agccgtccag ngttatgttg gaagaggacc atnangtgga agaactcatgt 240
gccgttaaaa acaacaagga agcttttagn gtngnaggaa gtgtcctgna ttttactaat 300
ttttgccttg atnaantggg gcaaccgnta ctaaatgaaa accctcagct tacggaagga 360
tgggaaatac ccaagtatcc tacatngtga atgaagatct tttatacatc ttgccactaa 420
gtncaccttt aaaaaaaaaa aa 442
```

<210> 1361

<211> 391

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 49, 62, 69, 81, 95, 124, 232, 243

<223> n = A,T,C or G

<400> 1361

```
ctgggggcct gggcaaaggc agccntgagc aagtgccagg tgctcctgnc tctaccactg 60
cncctcctgna gactaccttt naccataacg acttngatgc tgagagaaat gctgtgacta 120
gcanccattt tggagttgac tgggatgtgt tctaaagttt gaatgccaaa gacaccacag 180
agggcaccat ctctacatct gagggaccca aatggactcc actggaagtt gnccactcac 240
tgntgggggag ggcactgcag ctctgggtcc ctgggttttcc actttacatt tcctatttga 300
agtaatgcat atatcataca atttgatata ttttttgatt attctaattt acagaataaa 360
aatacagaat ttcttatcat caaaaaaaaa a 391
```

<210> 1362

<211> 350

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

<222> 18, 30, 40, 53, 65, 93, 105, 135, 144, 153, 157, 169, 172,
176, 180, 194, 199, 229, 238, 239, 251, 254, 265, 269, 280,
303

<223> n = A,T,C or G

<400> 1362
aactgagcat ggacatnaa catcaacaan gcctgctgcn gcaggaagaa tcnacacggc 60
ctctngaggt ggcattggacc acggacgtct ttnaaggaga cttanatcca caaaacggat 120
cactcatctc acacnatctt gttnagagtc agngggngca gctggggcng tntgtntggn 180
ggcaggacct gtngaaanc caggctgctg cacagcactc tgcccttanc tgccctgna 240
acagcctagg naccatc ctatntgcng cacaaggcgn gtgaggtaac cctggatctt 300
atnccacag caggcgagc agccagagaa gctccagctg ctgtaatgta 350

<210> 1363

<211> 178

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 36, 41, 43, 47, 51, 53, 54, 55, 78, 82, 106, 112, 136,
138, 140

<223> n = A,T,C or G

<400> 1363
ttgtcaagat caagaagaac aaggatnatg tgcantntcaa ngntcanttg nannnggtac 60
ctttacacc tggttatnac anacaatgaa aaggcagagg aagctngaag cnttccctac 120
ccccggggtt ggagngnan gatctcgtaa tgaaccagcc ctctgcagtg tgactatt 178

<210> 1364

<211> 155

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 44, 70

<223> n = A,T,C or G

<400> 1364
ggaattcaaa ggctctgcaa cagatntttg acgagcagca ttcnaagagt taatgcttct 60
ggcctaggan atggctcgcc agataaaaga acagcgctct tcacattcct gtgttcactc 120
acaacattag aaataaaaat taattatgag ggagg 155

<210> 1365

<211> 202

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 70

<223> n = A,T,C or G

<400> 1365
aacacagacc gacccaacaa tgaacagttt caagggacac cagaatgggt gacttggtac 60
gatactgtan tgggtgcttca gggaaggaag agacaggag gacccaagct gcagttccag 120
aattacaaac tgagttcaat gacactagcc ctctagcaag aggcagggat gaggagtgtg 180
cataaagtgg gggtcagcac tt 202

<210> 1366

- REPLACEMENT COPY -

<211> 298
<212> DNA
<213> Mus musculus

<400> 1366
ttgtgggggag cgtggattct tctacacacc catgtcccgc cgcgaagtgg aggacccaca 60
aggtcaggtt gatggctcag aaaacaagac attcacagat agaggatgag gatccctgaa 120
actcttgtga agacagaaga taaagaacaa cacaaagctg actttggacc tccatattgtg 180
tgctgtgaaa tactcacaac cctcacagat tgattaaaga agtatcacct agcacaccat 240
gaatgcttgc aggctggact gtcaatcaaa taaaaatagt tagacatata aaaaaaaaa 298

<210> 1367
<211> 192
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 63, 65, 69, 98, 100, 121, 132, 136, 141, 150, 157, 160, 162,
164, 170, 171, 175, 176
<223> n = A,T,C or G

<400> 1367
ttgtgggggag cgtggattct tctacacacc catgtcccgc cgcgaagtgg aggacccaca 60
agntnctgnt ttctgacctg cttgagttcc atgcagtnan ctacctttgg tcatgaacgc 120
ncattgctgc cnatcnggac ncgtgggtan caccatntgn cntnccgtgn nacannaacc 180
atattggata cc 192

<210> 1368
<211> 150
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 61, 83, 110
<223> n = A,T,C or G

<400> 1368
tgggggagcgt ggattcttct acacacccat gtcccgcgcg gaagtggagg acccacaaga 60
ntgaattcta ccctgtgtaa gtnagtgacc ctggctgagc tttgtggacn gagcacccgtg 120
acaccggggc agatcctaga gacaggtaga 150

<210> 1369
<211> 125
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 77, 78, 84, 85, 86, 89, 97, 99, 100, 103, 107
<223> n = A,T,C or G

<400> 1369
ttgtgggggag cgtggatttc ttctacacac ccatgtcccgc cgcgaagtgg gaggacccac 60
aaggntcaca actaccnnga tctnnntang cataggnenn tcntaanctg ttctaacctt 120
gacta 125

<210> 1370
<211> 537
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 67, 76, 82, 83, 89, 110, 113, 115, 116, 125, 131, 151, 152,
158, 162, 165, 168, 171, 178, 179, 182, 184, 187, 193, 198,
200, 201, 208, 214, 222, 232, 239, 240, 241, 251, 253, 254,
255, 256, 261, 263, 270, 274, 279, 281, 408, 465, 470

<223> n = A,T,C or G

<221> misc_feature

<222> 509

<223> n = A,T,C or G

<400> 1370

ttgtgggggag	cgtgggattct	tctacacacc	catgtcccgc	cgcggaagtgg	aggacccaca	60
agggccnagc	ttgacnctga	gnngacgant	gggaccagat	acttttcaan	ccntnngaag	120
gcagntagct	nagaataacc	cgctccatcg	nntaactnag	angcncngc	ncttgctnnc	180
tnntctntgt	cangaagnan	naggaccnag	aacnaccact	tncccaaagg	angtcttcnn	240
ntttgagacc	nannnnngtaa	ncngaaacan	gaanctccna	ngacctccac	acggcggggcg	300
gaagacaggc	gctctagcat	cgaatgtagc	cctgagccgg	aactcgggaa	ctctatgacc	360
aactggggact	tccgtttccg	ccccctgac	gacgaggcga	cgggttantg	cagcgagtgc	420
attctgttcc	tggttagctc	tgagcgaagc	ttcctggagg	gccgnactcn	agcctctgtg	480
ccgagctggg	gtccctgcct	gacgccggnt	gccatggggag	atcaagccag	gtccttt	537

<210> 1371

<211> 156

<212> DNA

<213> Mus musculus

<400> 1371

gtgggggagcg	tggtattcttc	taacacccat	gtcccgccgc	gaagtggagg	accacaaagg	60
tgatgtccca	gtgtattggc	cttgatcct	gacgcggctg	cggctgctat	tcattcttgg	120
gttgtcaaat	ttcatttaac	tgcaaatata	aaaaaa			156

<210> 1372

<211> 299

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 71, 79, 94, 95, 109, 113, 126, 131, 132, 138, 143, 150, 152,
156, 157, 169, 176

<223> n = A,T,C or G

<400> 1372

ttgtgggggag	cgtgggattct	tctacacacc	catgtcccgc	cgcggaagtgg	aggacccaca	60
agggcttcat	nggacctgng	aactgcccc	ttgnntctgt	gatcccagnc	canagacagc	120
ctttcnagaa	nnactgtngc	aantgcacan	angaannatc	ccacatecna	accagnctgc	180
tgaggaaatt	caaaatagtg	accgtgaccg	gaagaaccca	tgtgctttta	gtctcctttt	240
tacttttgaa	tcatttccca	agtttctttg	ataaaaaacgt	ggtaaaaacat	acaaaaaaa	299

<210> 1373

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 73, 84, 103, 108, 112, 116, 123, 125, 131, 153, 175, 177,

- REPLACEMENT COPY -

182, 189, 192, 196, 206, 211, 223

<223> n = A,T,C or G

<400> 1373

```
ttgtgggggag cgtggattct tctacacacc catgtcccg cgcgaagtgg aggaccaca 60
agggtcacca tgnctacagg gtngtaacg ccgaagaagg ctncacncc gnaaanttgt 120
tgntnaacag ngcgaatcat atacacaggg tgnatTTTTT accggacaag cttanancag 180
anctgtttnc gntccnaaaa gatggngtcg nttttgccct cantaagaga tggtaggtc 239
```

<210> 1374

<211> 381

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 68, 76, 81, 83, 85, 95, 103, 104, 105, 108, 110, 120, 129,
151, 152, 163, 171, 176, 177, 189, 193, 195, 197, 198, 200,
201, 207, 208, 210, 216, 231, 244, 253, 264, 265, 267, 329

<223> n = A,T,C or G

<400> 1374

```
gtggggagcg tggattcttc tacacaccca tgtcccgccg cgaagtggag gaccacaaag 60
ggactcgnca tctgantgca nanangctgg cctgnaacgc cannatnan aactttgaan 120
actgtgagnt cggcccacct ggagtgtctg nttacaaga tngagctgt ncctgnncgt 180
gtctgctcna tcntntnntn natttanngn tctagnctg tcaatacgac ntgctactcc 240
atgngcagtg aanggagctc tctnntngag ccatcttctt ttttcacttc ccactaccaa 300
aactatcctt gattgtcaag ggtcattana aaaggcaaac acccaaatat taagtatata 360
gattgactag taaaaaaaaa a 381
```

<210> 1375

<211> 167

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 65, 66, 83, 88, 90, 97, 100, 104, 111, 113, 116, 124, 127,
141, 149

<223> n = A,T,C or G

<400> 1375

```
tggggagcgt ggattcttct acacacccat gtcccgccgc gaagtggagg acccacaagg 60
ggggnnattt cacactgact tcntccanen gagctcngan acgnacctgg ngntcnctct 120
accncancag acctccagct ngccgtgcna actgcttctt catccca 167
```

<210> 1376

<211> 316

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 64, 66, 68, 70, 102, 107, 109, 112, 118, 124, 156, 159, 161,
179, 181, 182, 188, 206, 207, 219, 225, 255, 259

<223> n = A,T,C or G

<400> 1376

```
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagattct 60
cacntncn ctgattggca cgccgatcag acgaacaccg gnttaangng cncactangg 120
atanggataa ggaccgggaa aagtctaagc atagnacng ngaacataat agattctgna 180
```

- REPLACEMENT COPY -

nngaatchca gagagaaaga gaatancccc cccactgcng gcccntcccc tctgcattga 240
gacaaacctt tgganggana caaggaaaga cgaaaggagg aaaagattag agctgctggg 300
gatgcaaaaa aaaaaa 316

<210> 1377
<211> 141
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 63, 66, 68, 90, 96, 97, 100, 111, 116, 119
<223> n = A,T,C or G

<400> 1377
gagccgtgga ttctttctcac acccatgtcc cgccgcgaag tggaggaccc acaagggagg 60
canatngnag ctgccctgga ggaccctgan ccctgnntgn tcaggacgct ngagcntgnt 120
ggtcattcca ttctaacacg c 141

<210> 1378
<211> 224
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 56, 72, 84, 94, 113, 114, 115, 130, 137, 146, 169, 182,
183, 193, 200
<223> n = A,T,C or G

<400> 1378
gagcgtggat tcttctaaca cccatgtccc gccngaaagt ggaggacca caaggngtac 60
atctgtgctt ancctgagac catngtattg gatncccttc ccaccttgag gannntgggtg 120
gaccagttna aagcgtnaca ttgttnatca gtgctgcacc agcatactnc tccctctacc 180
anntggagaa ctncctgcaan tatgaccac cactaccag ccta 224

<210> 1379
<211> 119
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 75, 77, 83, 84, 86, 88, 98
<223> n = A,T,C or G

<400> 1379
gtgggggagcg tggcttcttc tacacacca tgtcccgccg cgaagtggag gaccacaaag 60
accttgatgt gaaantncaa gannantnca aactttgntc ttcactggac cctggggaga 119

<210> 1380
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 62, 67, 69, 70, 71, 79, 90, 98, 101, 103, 105, 106, 110,
123, 137, 160, 168, 172, 181, 190, 196, 198, 207, 211, 215,
224, 231, 234, 235, 238, 240, 246, 253, 257, 274, 287, 296,
347, 352

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1380
gtggggagcg tggcttcttc tacacaccca tgtcccgccg cgaagtggag gacccacaag 60
antcacnann ngcagcatnt tactatgacn tcctgggngt ntntnncagn gcctgcgatt 120
aanagcttac caaagcntac agtgaagctt gccctgaagn ttcacccnga cnagaactgc 180
nctcctggan caacanangc cttcaangga ntaancattg cctntgctat nctnntcnan 240
tgatgnaaga gantgcntta tgatgaatat gganatgagc aggtganntt cactgncctt 300
cgagccagat cttatcatta ttacaaagac tttgaagctg acatctntcc anaagaatta 360
tttaatgtgt tcttcggagg acatttcctt tcaggaaata tt 402
```

<210> 1381

<211> 130

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 56, 69, 72, 77, 104, 105

<223> n = A,T,C or G

```
<400> 1381
gagcgtggat tcttctcaca cccatgtccc gccgcgaagt ggaggaccca caaganccac 60
gacaggaanc tnagtancta cctgtatgtg ctcacccgtt acgnnatgtg ctgtaagact 120
gggaggactc 130
```

<210> 1382

<211> 469

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 48, 52, 55, 57, 63, 68, 73, 77, 90, 92, 102, 103, 104, 109,
110, 114, 119, 125, 130, 131, 144, 160, 186, 188, 190, 196,
200, 206, 210, 215, 221, 224, 225, 227, 238, 239, 242, 244,
249, 253, 272, 273, 274, 315, 360

<223> n = A,T,C or G

```
<400> 1382
ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaaggggcc cncnngnagc 60
tgnagtgnca ggnccgngag catagagacn tncttacctt gnnnctgcnn gtgncccant 120
gcaancctgn ncttgataa caantgctga ccagcatctn gctcctctct actatactgg 180
agaacnntn cttctngacn gaccntacn tactntaccc ntcnncnttg aatggaannc 240
tntnaatgng canatgcaa tcacaaaaga annnggggaa gtcacatggga aagttctgga 300
ggaagccagg tttgntgtgg cctttcaccg aggcaatgaa ggacacagct caggtgcagn 360
ggccacatgc aactgggaag atctttgtcc agagtcaagg aattgcaaca ataccaaagt 420
ccaactttaa ctggaacacc ttcctgcagc aatcaggagg tggccctat 469
```

<210> 1383

<211> 141

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 57, 58, 79, 82, 86, 96, 99, 100, 101, 107, 116, 121, 123,
124

<223> n = A,T,C or G

<400> 1383

- REPLACEMENT COPY -

```
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaaggngga 60
acatgactgc cttctttana angctncgaa ctcattngnn naaaacnact ggctgngctc 120
ngnntgctga catggcggag g                                     141
```

<210> 1384
 <211> 128
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 60, 63, 73, 75, 76, 85, 96, 104
 <223> n = A,T,C or G

```
<400> 1384
gagccgtgga ttcttctcac acccatgtcc cgccgngaag tggaggaccc acaagggtcn 60
canatgcagc tgnannggca gcgcagaca acaggntaca cttactatc ttgcacatct 120
gcgagggg                                     128
```

<210> 1385
 <211> 323
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 174, 175, 176, 181, 186, 191, 193, 194, 198, 201, 203, 205,
 206, 212, 217, 218, 221, 224, 225, 228, 232, 234, 235, 241,
 242, 250, 254, 271
 <223> n = A,T,C or G

```
<400> 1385
actgagtgtg gcctcttctt gtgtgatgct ggaggaggca acctgatgat cctctgacaa 60
ctgtttcacgt cagcactaag gaagcagatg gcaatgtcac aggcacagga ttatgaatgc 120
agaagccatc atgtcgatga gcaggagccc aggatcccg ggctcgagtac cagnnncctt 180
nacctnggga ntnnaagnct ngnanntggt gnagatnnct natnntcntt ananntgacc 240
nnagggtcgn acanattggt catatggttg ngagcactgt ttgcccttgc gaaggctcctg 300
agttcataat ggccagcaac cat                                     323
```

<210> 1386
 <211> 392
 <212> DNA
 <213> Mus musculus

```
<400> 1386
tgagtgagat tgggggtccca cggccagctg ctactccgcg tcaaccgggc gtcgctgagt 60
cagggtctcc ccgaagccta ccgcgtgcac cgagcgctgc tcctgctgac gccgacgacc 120
cgccccctggg acatcactag gccctgaag cgtgcgtca gcctccaggg acccctgct 180
cccgattac gcctgcgcct gacgccgcct ccggacctgg ctatgctgcc ctctggcgcc 240
gcacagctgg aactgcgctt acgggtagcc gccggcaggg ggccggaag cgcgcatgcg 300
caccgaagag actcgtgccc actgggtccg gggcgctgct gtcacctgga gactgtgcag 360
gcaactcttg aagacttggg ctggagcgac cc                                     392
```

<210> 1387
 <211> 129
 <212> DNA
 <213> Mus musculus

```
<400> 1387
gactgaggtt cccccccag gcaggagtaa ggctccaggg gactccaccg ctgtcccttc 60
ggggccactg cccccctgcc ccagccaagc caatgcaccc agaaaataaa ctgaccaatc 120
```

- REPLACEMENT COPY -

atggcaaaa

129

<210> 1388
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 49, 111
<223> n = A,T,C or G

<400> 1388
agaccattac cctaaggagg agactctgca naccttggct gaggagctna tactgtggta 60
agaagtcatac agaccctggg tcttcactca gcatcaaaga gagatgaggc ncagatgggt 120
tttcatggggc tacaagggtt ggataacaca ctgtcactac tgtacaacaa gaaggaccgc 180
caggcagaag aactccaagg agtgcctctca gaatgacct ggattccccg aagcggttga 240
agccttgaag aggtctcaagc tctcttctgg gtaccaaagc agagatggca tgtcatagga 300
tttctgactt ttcaacgtct ttgttggggc aggggtctgt ctatggaaga aggtacatta 360
ataataaagc ttgcattcat agaatcgaaa aaaaaaaa 398

<210> 1389
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 194, 236, 288, 293, 299, 305
<223> n = A,T,C or G

<400> 1389
gactgaggta ttcataaaaa gtctgcctgg gacgaggctg gccaggaaaa ttacaaaggg 60
catttgtggc aagttgaaat taccaacacc cagacatcaa atgacaaaat tattgaagta 120
agtaaaatat ttaacatgag ctcttaccat atttcatatc taaacatata ttgttggaaa 180
ttacttcata aggnntcttc tagaacttaa cccaaatcaa gaagacagct caacngntaa 240
caggacttgt gctccttatg gtggataata aagaaaagcc cggaaacntg ttntctganc 300
ttcngtgtg cgctctgggtg tgccctatgca cacacacaca aacagaaatg taatttggaa 360
aataaaagaa gtaccttagg cctgggaaaa aaaaaaaa 397

<210> 1390
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 146, 161, 163, 168, 180, 192, 194
<223> n = A,T,C or G

<400> 1390
cttcgagtg gcttccttta nggtattacc tatttcacga atacttgatg atatgatagg 60
tttgctcttc acttgaaatc aagtgtttga ctttttaca aagtgaacc ttacccgaga 120
ggagtttctt atctctggat ggcagntgat tcaactgaag ngntctgngg cctaactagn 180
gagagatgct tnanataaac taagttttta tgagtt 216

<210> 1391
<211> 417
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 27, 35, 39, 41, 42, 43, 44, 47, 50, 59, 66, 84, 85, 86, 88,
110, 112, 295, 296, 340
<223> n = A,T,C or G

<400> 1391
ccagggcata aggctagggt tgaacanagg gtttncatnc nnnntgncen taacggatnt 60
tggaancctc actctttttac ctgnnnangg atgaccagaa actggagaan angatatgtc 120
aggaagccaa ctactgtgt gacttgatac ttacatacga cggggagtcc cgagatctgt 180
ctacgctcat cttcaagtca gtaatcaata tcatctgtac catctgcttc aacatctctt 240
ttgagaacaa ggatccgata ctgactacca tacagacctt tacagagggt attgnnggat 300
gtcctggggc acagcgatct ggtggacata ttcccgtggn tgaagatddd tcccaataaa 360
aacttggaaa tgataaagga acacactaaa attcgagaaa aaacactggg tgaaatg 417

<210> 1392
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42, 66, 74, 86, 93, 97, 109, 110, 111, 115, 122, 144, 151,
159, 174, 183, 188, 192, 195, 197, 205, 208
<223> n = A,T,C or G

<400> 1392
tgactagtcc gaaacttgaa tathtacctg tttttaaaaat gncaagttac tgctacccat 60
gggcanaagc tcgnaggcct catgangcct ggngttntctg caaagacgnn ngccnacact 120
tnctcagagc tctggctagc cttntctaaaa nagtctggna agttgaaagt cccnaacctg 180
ggnggacnca gncangnctg gccanacnta cagagcttgc cccatatgat ga 232

<210> 1393
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 31, 43, 56, 96, 139
<223> n = A,T,C or G

<400> 1393
aactgaggtg cagagntagt cctcgataat ngcttgtgtg tcnatgggga aatctnaagg 60
cctgaatgac acctttaagg aactggagtt tcttancatg gccaacagtg gagttgagtt 120
ccttggcccc gcttcccanc ttgaataaac tccggaagtt ggaacttagt gacaatataa 180
tttctggagg cttggaagtc ctggcagaga aatgtccaaa tcttacctac ctcaatctga 240
gtggaaacaa aataaaa 257

<210> 1394
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 41, 51, 56, 59, 60, 63, 92, 95, 97
<223> n = A,T,C or G

<400> 1394
gtacaaagggt gaaacagcta anaaacctat aggaatctca nagctactag nctacnttnn 60

```


- REPLACEMENT COPY -

ggnagaacat acaatcagaa gaccatcttc anaantncta gaagtcatgg gaaggaactt 120
ttattctgca 130

<210> 1395
<211> 164
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 28
<223> n = A,T,C or G

<400> 1395
tgagctatcc catctgtcna agggagantt acacagagca atggtaaaga tctgggtcatc 60
tacctcgaga agaggcgata ctacgggaat caatctaatt tataaaacca ctcacctatg 120
tacacagacg ctggctgaat catgcacatc tgaacgaggg acga 164

<210> 1396
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 93, 106, 133, 135, 154, 160, 166, 220, 234, 238, 239
<223> n = A,T,C or G

<400> 1396
cttataaaag ctggttgccc tgctgctggt atccaaaaac agttttccgg agaaactttt 60
gaagaaagaa ttgattgctc tgggaaatgc gtnttgccag gtttgntgga cgcacacaca 120
catccggtgt ggnccnggtg aaagagtcca cgantttgcn atgaangtaa ctggaacgga 180
cggcagcaaa tcaatacagc cgcaaacagg ggaatgtctn tactagtgat tgcntaanng 240
gccaacctat gccacatata tttttaatgg gtttatcttt acttggctta ataaagaaca 300
caactgacca ttaaacttaa aaaaaaaaaa 329

<210> 1397
<211> 382
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 102
<223> n = A,T,C or G

<400> 1397
ctgagggtgg tcctggactt tgtgagcacc tctcaagttc tgtgatcgga tactgggtag 60
cccactgttc cagagggtcta cacatgcact cactgtgacg gnaagggaacc tccttccatg 120
gggccactct accttgtgcc tgaaaatcca tttgagaagt aggcctgcat tctgcaaagc 180
tctgcacttg ttcccaaatt acatttaata aagaaattgc aggtacttca gctgaaattg 240
aaggagagag ggaaggctgg aacatcagca gcctactggg gctttcatac ttacttttca 300
ccttagatga ccctctaaga gttttggatt ttggctgagc taaaataaac ttctccaagt 360
gttactgtga ggaaaaaaaa aa 382

<210> 1398
<211> 103
<212> DNA
<213> Mus musculus

<400> 1398

- REPLACEMENT COPY -

gaactgaggt tcccagcagt ctaccttggtg aaatgtttta ggctaagaag agtccagcaa 60
cagctaactg agagacctga ataaaagggt aaattaaaaa aaa 103

<210> 1399
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77
<223> n = A,T,C or G

<400> 1399
tgagaaatgg aggcaaacga ccattttaac tttactggcc ttcctcctgc accagctgcc 60
tcaggactga aaccctntcc ttctcggggg gagggcctct acactaacgg gtctcccatg 120
aacttcccc agcaagggaa aagtttgaat ggggatgtga atgttaatgg cttatctact 180
gtatctcaca ctactacttc agggattttg aactctgctc cccactcctc tagcacctca 240
cacctccatc accctaacgt ggcctacgac tgtctttgga actactcaca gtaccatct 300
gccaatcctg gcaacaacct caaggaccca ccccttcttt ctcatgtccc tgggggacaa 360
taccgctca acggtatcct tgggggcaac cgacaacctt catccccaag tcacaacact 420
aatctaa 427

<210> 1400
<211> 227
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 33, 35, 45, 57, 83, 90, 116, 181, 191
<223> n = A,T,C or G

<400> 1400
tgctatcaat tatctactga gacccagnga acngntaaaa tcacngtcaa agagaanagg 60
gtggagagag gaggaggggg aanagcttan ttgggccaca ggaagacagg aagcantcat 120
ttacttataa aagaagtcgg cattcattca gcgggctgcc tttgtcttct tccaagcctg 180
nctgaaaatg ncatacttcg gcctggagac tttcaacgaa aaaaaaa 227

<210> 1401
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 166, 456, 475
<223> n = A,T,C or G

<400> 1401
gactgaggaa aatactacat agctaccatg gccttgatca ccgcctccac agcccttacc 60
atcatggtga tgaatatcca cttctgtggg gcggaagccc ggccagtacc acactgggcc 120
aaggtggtca tcctgaaata catgtccagg atcttgtttg tctacnatgt gggtgagagc 180
tgccttagcc cccgtcacag ccaggagcca gaacaaatca cgaaggttta tggcaaactt 240
ccagggtcca acctgaaagc atccagaaac aaagaccttt ccagaaagaa ggaactgaga 300
aaactcctaa agaatgacct agggatccag ggtgggatcc cccagaatac tgacagctac 360
tgtgcacgct atgaagcact gacaaaaaat attgaatata ttgccaatg tctcaaggac 420
cacaaggcca ccaactccaa gggcagcgag tggaanaagg tcgccaaggc catanaccgt 480
ttcttcatgt ggattttctt cgctatgg 508

<210> 1402

- REPLACEMENT COPY -

<211> 408

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 279, 303, 320, 331, 340, 348

<223> n = A,T,C or G

<400> 1402

```
cggttttccaa cttggacgag gagagtcgat ggactgtcca ctacacggca ccatggcatc 60
agcaagagaa tgtgttcctt cccgccacaa gacccccctg tggtgaggac ctgcaccgcc 120
aagccaagct caacctcaaa tcagtgtctga gggaaatgtga caagctgagg caagatggct 180
gccgaagtgc tcagtactat tctcagggac ccacctttgc agccggctcc agccccctgcg 240
acgattatca agatgaagac acagaagcag accgaaagng ctctctctct tcatctgaag 300
aanaaagatt tatcggaatn aggagaccta naaaccccan cttaaggnga ctttctccga 360
ccttcatact cagacaaact gggaccaagt ccctgccgct gccaacac 408
```

<210> 1403

<211> 199

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 41, 45, 48, 60, 67, 70, 74, 86, 115, 117, 129, 154, 162, 164, 175

<223> n = A,T,C or G

<400> 1403

```
tacagtcaga ggagggctgc tgtngctgtc aggatggctg nggancanga ctttgcccan 60
ctgtgcnggn tggncacaca gccctnccac tcccactgtg gtcaacaata cctancngaa 120
gcacacagna ctcccaggcc ctgctccggg gccngctggc tntncgagac agtgnggatc 180
ctctttgacg tttccctgg 199
```

<210> 1404

<211> 246

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 23, 27, 32, 33, 46, 50

<223> n = A,T,C or G

<400> 1404

```
tgcaggacag acagggggna gangtcnagg cnncaagtct actggncatn ttggctctaa 60
cctgacggcg cagtcatatg caagaaggac aacggaaggt taagttcttg cagagcacia 120
tgccctttaa tgccctttaa ctcaggcagg cagagctctg ggagtttgaa gccagcctga 180
gctacagacc aggacagcca gggctatata gtgagacctg tcttgagaaa agcaaaaagaa 240
aataaa 246
```

<210> 1405

<211> 248

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 48, 71, 76, 81, 94, 143, 203

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1405
gaaccccagc tccctccccg gtggcggcgc cgactcttac tggacganct tggctggatc 60
cccatggttg ncatanacca ncgcccgcac ccngacggc tcaaagagag cggagtagga 120
ggatgtggtc cggccgtggc ggnaccaagc ctcgaggaga cccgcaagct gaggtgcccg 180
ggctcgcgcc ccttgtcact cgntggctga ccaacatgct ggttccagca ctggcagaat 240
ccggcgac 248

<210> 1406
<211> 162
<212> DNA
<213> Mus. musculus

<220>
<221> misc_feature
<222> 18, 20, 46, 54, 56, 59, 60, 61, 74, 86, 109, 115, 120, 125
<223> n = A,T,C or G

<400> 1406
tcttgttcat ggccaggncn caagacgcgg gacaagcctg tatgtnagat gccntnttnn 60
ngaaacctga gctntgccta gaggantggc cttcagtgca tcggatgana gcaangagan 120
cgaangggac tggccatgca ccccgggggtc gtcaaaacaa ta 162

<210> 1407
<211> 214
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 30, 45, 51, 60, 67, 80, 87, 99, 105, 111, 145, 153, 160,
185
<223> n = A,T,C or G

<400> 1407
gactgaggaa caagatcacc aangacctgn gttctttgtg gttgngaacc nattatttan 60
ccacatntga gcctcagttt tccctgntgg gaaactggna ctaanacttc ntatctactg 120
ggctgctcct aagctaggta gaatngtcac gangaaggan agcatgacag aacaggagga 180
ctatntgtca gattccttca ttaatgttca agaa 214

<210> 1408
<211> 244
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 42, 55, 57, 60, 70, 76, 140, 142, 149, 192, 197
<223> n = A,T,C or G

<400> 1408
gctgaggtag tagcctgggc acaggccata nttacttctt gnggaactct caaangncgn 60
acaggaagcn tggctnggct ccataaacct taccaccgag caatacagt ccttcccttc 120
ggcatttgca agtctgcagn anggacctnt cgtgcttctt tcctctctta ccctggggcca 180
ctcctggaaa gngaggntac tcttcccagt tttgaggtat gctgacatac ctcaaagtat 240
taaa 244

<210> 1409
<211> 188
<212> DNA
<213> Mus musculus

```

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 26, 33, 50, 56, 69, 72, 101, 109, 110, 116
<223> n = A,T,C or G

<400> 1409
tactttttgtt ttttttactt ggcttnggca atngcaaagc aatggctggn aaaatntgcg 60
gggttcacnc angaatttcg gggacttgag agttcctcag ntttaataann agtaangctt 120
gttttcagtt tcagacctcc cgaagctacc taagtttgaa aaagcttgag ctgagtgaag 180
aaaaaaaaa                                     188

<210> 1410
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 49, 60, 66, 76, 84, 108, 114, 119, 137, 145, 154, 201,
220, 248, 251, 269, 277, 290, 301, 303, 306, 349, 355
<223> n = A,T,C or G

<400> 1410
tccgtggtgc tttatctggc tgtgncactc atggacccca ggcgtatgng actactcagn 60
cccatntctc acaggngagc ccangggagga acaaggcagc catggtnnac tcangccgnc 120
ccactccggc gctgaanaca ctgtntgggtg ctgnagcccc tgcgtgcccc gcactgtcgt 180
gattgccgcc gctgagttcg ncgctatgat caccactgtn cctggatgga gaactgtgtg 240
ggtgaacnca nccaccgcgt ctttgtggnc tacctgncac tgcagctggn agttctgctg 300
ngnggncgtg gcctggcatg gtatggcctt cagttgttac agccctggng gatgnggctc 360
cggtagactg ggctgctgat caccaccttc ctgctgctgt ccttcttctc ga 412

<210> 1411
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 457
<223> n = A,T,C or G

<400> 1411
aactgaggag ctgagagccc tgaccccgag actcctgaac cctctctcat ggcctcagac 60
atctgggtca gcatgggact caaacaacag aaattaagca tactgaaacc ctaaggagga 120
tgtgtcatac tacactctac acaactacaa agtgtcaagg aaagccgggc ctctggggct 180
ggcatctgta cacctttcta caaaccgatt ctttgtggct gcagaatggc tattaccttt 240
ctggggctag tgctcagggt acaagcttct gtgaaggata tcttcaaact ccttgagact 300
gcacctgggt gccgtggata acagcagcag gaacctgatg gctacaggtc tggaagagca 360
gctgtcagga tcgggagaag ggatgctggt ggccaacaca gtcctgcgtt ggaaagagcc 420
tagttttctc ggctttgtgg ggtgtgggtc atgctgntcc tcttttagtat ctgcgaccat 480
ctgtgctggc aggtgcttc                                     499

<210> 1412
<211> 273
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 27, 43, 44, 49, 52, 58, 59, 60, 61, 63, 71, 74, 81, 82,
84, 100, 109, 114, 139, 160

```

- REPLACEMENT COPY -

<223> n = A,T,C or G

```
<400> 1412
ttttctcttc catccntctc tcccctnagg ctctttccct ctntttctng gncccccnnn 60
nctgcctgg nttntcctgc nncntcaagt tcatgcaccn tgcagactnt gaangctgaa 120
ggtaacggcc agtgacggnt tccatggggt ttgtcttcgn ggacatgctt tattatcttc 180
aaggccatgg atttactact gaaacttttt cttgattgcc ctttaacaat ctcttcctca 240
aaataatata taattataag taaaacaaaa aaa 273
```

<210> 1413

<211> 558

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 48, 102, 104, 203, 237, 334, 364, 399, 406, 444, 457, 461,
471, 493, 526

<223> n = A,T,C or G

```
<400> 1413
ggtaccctcc gtcgaatatt cctcccagca tcagaacgaa tgtggtanga caagacttgg 60
aatggaggac tgggtccaga atgggtctgt ttgggatgtc anancagaat aacttctctg 120
tgggcttgac tgccttttgg gtgggtgctg gagatcaaac ccagagcctc caagactcac 180
tctcccgtcc gcccgccaag atnccacctc atccgtcaag gggctgattt tgactanctg 240
gttcagtgct gtcatttaca gaacccttgt gtgtgacttt cagtcagttc cctccttcca 300
gcaccccgga aaattgggca cagtagaaaa tgnatctca gcagttgata agcaagtgga 360
tcanaagctc ggaatcacct tcggctacac aaaggagtna gaaggncagc ctgggcttca 420
tgaaacccgg tcccaggaat ctangagaag aacaagncaa nacgaaaccc naacctgttc 480
tctccgttct gtncacttta tccctcagtc ctcagaatct cccgantctg aaccccttcc 540
aagcatgtcc atttcctg 558
```

<210> 1414

<211> 468

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 239

<223> n = A,T,C or G

```
<400> 1414
gaactgagag aatggttttc tgaaagcaat aggactgcag atgttaaact gaatttctga 60
ctgtccagga ggaaccggca tggaaccgc atgggtacttc ctgctgcgct cttcacactt 120
gccaggccaa ggttctgtta cctcaagatg ggggttagtt tcaagagtag ctggagggct 180
tgtttcctga gtcattctt tgtgagccca tgctctgtga aggagaaagc aaatagtng 240
tttgtgacca actctatcaa gaggactctt gtgaaagcag catgccagct cccagcctg 300
tctctgcagg aactaccaca gaacaacaac aggcaacctg ggcttccct aagcacactt 360
aaaggagtct ctgaacatat cttaaaaggt atttcttggg aatttatggg aactgggttt 420
caaggacaat gagcaacttc acatttaata aatgaaccaa gttcttgg 468
```

<210> 1415

<211> 751

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 210, 228, 241, 254, 256, 334, 367, 479, 505, 569, 589, 593,
609, 621, 622, 645, 649, 653, 664, 672, 679, 681, 683, 687,

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688, 690, 700, 708, 714, 728
 <223> n = A,T,C or G

```
<400> 1415
gtggaagaag acagcgattc agagacctat ggagaagaga atgacgagca aggaaat ttt 60
tctagaagaa agattgtctc caactgggat cgctatcaag atactgaaaa ggaggtcaat 120
ggtgaaagtg gagaatctca gcggggcaca gacttcagtg tcctcctgag ctctgcaggg 180
gactcctttt cacagttccg atttgctgan gagaaagaat gggatggnga aacttcatgt 240
ncaaaacaga attnancact ctacgtggac agtgagtcac tggttcgagc ccttgagcag 300
ctgcctcttg cagtccggct taatgttgct tcanaattga tccagaccac aattccttta 360
gaacttnac aggtgaaacc aaggagaaac gatgatggca aggagctggg catgcattta 420
aggggaccca tctctgagct cagatctgct gctgggtgctt gccccaggtc tctgggcana 480
ggcagtctaa ggcaaagccc ttanaaaagg tttgcagaaa gcacctacc caacacagtc 540
agtggcagac cacctggaag aagaactana tatgtttgct tgcatttana atncacctgt 600
gccaaagaang aaggcaatat nntctccaga cccaggacat tcttngggna ccnaggaacc 660
catnaaaaaa gnattgggnc nanggtntn cccaaggaan ggaaaacnag ggtnccttgg 720
aaaaaaancc ctttttttgt ggaaccccc g 751
```

<210> 1416
 <211> 389
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 39, 106, 108, 112
 <223> n = A,T,C or G

```
<400> 1416
cactgaggta accatgatga tgacaaagga tactgtctgng actctcactc cctttgagga 60
caccctgact cggatgcttt ttggccggcg gcagcagcag cagttntnat cnagtgaaaa 120
gaaaactgaa gtcaaaccgt cttccaatgg ttctgcctca agtgcacga agcgggggagc 180
agagccttcg ggtgggtgcta agagacacgc caagaaagaa gactgagggg cgccctgggc 240
gtcggaggca ggaggaggag ttacttctct cagagtgtgc ccgtgggttct gtgaatgatg 300
tgagagagcg cttatgtgta aggggtggag agacaaaaga ggaaagtgctt tggttcaggg 360
acaccgctc gcttttctgg gccgtaact 389
```

<210> 1417
 <211> 190
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 44, 48, 59, 88, 102, 117, 137, 160
 <223> n = A,T,C or G

```
<400> 1417
gaactgagga gtcttactat atcgctcctg ctgttctcca cctncggnga tcaaactgnc 60
cacgtcagct tccggaatcg aagggaanat agatgtgtgt gngctaccca cctggcnagc 120
cctaaagttg agatgtngaa actgtgggtg cactgaatgn ctgttctact aaagagtgtt 180
gttcttctga 190
```

<210> 1418
 <211> 337
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 16, 19, 37, 48, 63, 70, 78, 80, 82, 85, 89, 95, 97, 100,

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107, 125, 198, 230, 240, 247, 264, 267, 296, 306
 <223> n = A,T,C or G

```
<400> 1418
tcatcatcat catcangang tggataaaag tatgggncga cccaagtnaa ataaacagggt 60
atntagatn agaccttnan gnggnagcng gggtngnccn caccctntgc cagcaagccc 120
ccggnaccca agacccccat catcgaagaa gaacagaaca actcagcaaa caccagaag 180
catccttcca gaaaaagnga actgaagagg ttctatacca ttgggttaaan taccggcaan 240
agtcccnaca taatgaagag caancanatg caaatatttt tctcacactc ttccgnaatc 300
tgcttntaca ctgaaaaaga gcctgctgaa ttaggaa 337
```

<210> 1419
 <211> 234
 <212> DNA
 <213> Mus musculus

```
<400> 1419
gtcaattatg gaaagggctg atgaacgcta acagcgcttc ccactcccc agctgaaact 60
atagagggtc agaagcccca aactgctgag ctctgcacac agtgggagga gtggctgtcg 120
ggaggggaag cagagaatgg ctgcgaaga gaccctggct tctaacaacc agctcaagag 180
aagttcctag tgattaaatt aataaactga gctcaacaaa ttgaaaaaaaa aaaa 234
```

<210> 1420
 <211> 151
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25
 <223> n = A,T,C or G

```
<400> 1420
tctccatcaa agcatctaac acaancctaa atcctaatag ccctgcctta catcctgttg 60
ctgagatgcc atgtgattta ctgtgatttg tgttctccat ttctccaatg agtgataatc 120
acagtttggt cagcttgcag gaaaaaaaaa a 151
```

<210> 1421
 <211> 733
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 30, 522, 525, 577, 624, 666, 692, 711, 716
 <223> n = A,T,C or G

```
<400> 1421
gacaggacag tgcttggtta angctatatn tctgctgtct gagcagcaac aggtcttcga 60
gatcaacatg atgttcataa tcccaagatg ttgccattta tgttctcaga agcaagcaga 120
ggcatgatgg tcagtgcag taatgtcact gtgttaaatg ttgctatgca gtttggtttt 180
ttctaattgta gtgtaggtag aacatatgtg ttctgtatga attaaactct taagttacac 240
cttggtataat ccatgcaatg tggtatgcaa ttaccatttt aagtattgta gctttctttg 300
tatgtgagga taaaggtggt tgtcataaaaa tgttttgaac atttcccca agttccaaat 360
tataaaacca caacgttaga acttatttat gaacaatggt tgtagtttca tgctttttaa 420
atgcttaatt attcaattaa caccgtttgt gttataatat atataaaact gacatgtaga 480
agtgtttgtc cagaacattt cttaaattgta tactgtcttt anaanagttt aatatagcat 540
gtcttttgca acatactaac ttttgtgttg gtgcgancaa tattgtgtag tcattttgaa 600
aggagtcatt tcaatgaatg tcanattggt ttgaaagtta atgaacattt taaatgcca 660
ctgttncggt tttaaaaaca aactgtccga ancttgaact aaaattaaaa ncgaantatt 720
caaagggaat aac 733
```


- REPLACEMENT COPY -

<210> 1422

<211> 231

<212> DNA

<213> Mus musculus

<400> 1422

```
gactgagata tacatgtctg agtccacggc ggctgaatcc aagtctgcat gtgaaggagg 60
agggacagga ccattcgatc tccagccttc cccctactcc ctcaatagct tcggccacac 120
cctccctccc taagacgtgt gccccaagct gctctttggg gctctgcagt taagggtc 180
cctgagaact gataggagaa tgaagaagat gacgagttgg ggggtaagag t 231
```

<210> 1423

<211> 297

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 194

<223> n = A,T,C or G

<400> 1423

```
tgaggtgctc cctgactcgc agcatctggt aatccagcct aagcccacag tcctggctag 60
gtcctgacac atgtgacaag tgcattgacat ctggtggctg cagaatgaag atataacggt 120
caaacagaag cctgggagtg ttggtggctg tgaagtggct caaactaagg atggttttac 180
attatgtgaa gcanaagaac agagtgtgca atcagatcaa gcctcacctg cagccaggac 240
tgccctcttga ttctgcaact tcagctgata aactgctttt atcttttaaaa aaaaaaa 297
```

<210> 1424

<211> 185

<212> DNA

<213> Mus musculus

<400> 1424

```
attttacagt gaggaaactc ggtgtatgca ggatagggaa ctctacatgg accacagaag 60
gcaaaagcct gctgctttcc tgtgcagggt ggagtgtact aagttagcat cctgtgatgt 120
acttgcccca gccagcaaca gcagagaagc acacaggtaa cacagctcct tgaagttgga 180
ccctc 185
```

<210> 1425

<211> 282

<212> DNA

<213> Mus musculus

<400> 1425

```
gactgagggg acaactgagg ctgagccaga ccttgacttt gctgccctaa ggagattatc 60
aaggggtggg ccattcctccc tagatcactc tattgttcag ccactgtccc gttcctcttc 120
aagatactgc tacctgccga agcaattccg gagactacac cctgtcctac acgtgggtcac 180
ctgcagctgg gctccaagaa tgaattggcg agaattgggc tccccctcct ttataagcgc 240
atttgccatt aaacatttga gccttgatct gaaaaaaaaa aa 282
```

<210> 1426

<211> 222

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 36, 48, 50, 76, 80, 131, 172, 180, 194, 196

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1426
actgaggccc aggaagtgag gccggtngaa gcaccnagcg ccaaggantn ttccactcct 60
actgggtaaa agcacncggn ctactcggag cacaggaaaa agcccagaaa acctggccca 120
gcccaggcct ntctccactc cctgcttgac catgcaggaa aacagacaca antatcttcn 180
gggcatttca ccnngnggat taaacataga agaacaaacc cg 222

<210> 1427
<211> 287
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 31, 41, 45, 48, 53, 68, 72, 73, 76, 82, 84, 100, 101,
115, 116, 117, 127, 129, 133, 136, 138, 142, 148, 153, 158,
179, 213
<223> n = A,T,C or G

<400> 1427
gactgagggtg ggtttgggct gaggtaganc ngggcagcgg ncatnatnac ttnttgtgga 60
actctcanag gnnggncagg angnacaggt ggccaccatn nccaccagga ggcanncag 120
gagagcncng atnacncnca cnatgatnac tgnggcgnac accagggtcca cctgctttnc 180
tggatcttcg ggggtctgttg gagacaggcc agngtctgag atacacgccc aaatccttcc 240
ctgatcctcc ccagacccca ttgctacccc acgtatcctc atcatgg 287

<210> 1428
<211> 294
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 45, 85, 120, 141, 150, 159, 175, 183, 196, 211, 232, 247,
250
<223> n = A,T,C or G

<400> 1428
tgtgtggagg agaaatatac actgctgagg tcactcattg ttcanagact gtcagtgtag 60
gaacatggac catttctaata ggganaagga tgatagacaa cggacaacta aaaccatggn 120
acaaaggaat acacactgtt ngagaccatn tggcacttna acatcctctg gggtnctcat 180
ggnggggaccc aacttnaggg ttggcaagaa natagggtgt gggaacttcg gngagctcag 240
attaggaan aatctctaca ccaatgaata tgtaaccatt aaactggaac caat 294

<210> 1429
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 66
<223> n = A,T,C or G

<400> 1429
gctgtggatt cccagtttac agagggtgaag gtgtaaacga gtgtcgggaat ccagcacact 60
gcaggnggag ctcaaagtga cagctttgct tagctgtcag aagggaaggag gctctcccag 120
aatcccagtc cctgaagccc agggtcatat cctctatctt cacaaaacat tgttgctaga 180
ttggactttc taatcatctt aatagtggca actactgaaa tttgcctcgt ttcttatcta 240
aggaataatg ctgtcagcat gtctgcatac tccatgctct ccgacagaat tgtcatggcc 300
aaggaaactga tcaaaaagagc agaatcactt tctcggtccc gaaaagggtgg catagaagggt 360
ggcgcaaagc tgtgcagcaa actgaaggca gaactcaaat tcttgcagaa aatagagggt 420

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- REPLACEMENT COPY -

434

gggaaaaaaaa aaaa

<210> 1430
 <211> 353
 <212> DNA
 <213> Mus musculus

 <220>
 <221> misc_feature
 <222> 330
 <223> n = A,T,C or G

<400> 1430
 agaactgagt gaatgctgac cagtgagatg ccagcctgcg tgtgaagatc ctacagcaga 60
 agtgcattggc cagtgcacaca agaacttgcg agagatgccg gtccgcctgt gaagatcctg 120
 cagcaggagt gcatagccag tgacacaaga cgtgcgaatg aaaactagat gtgaccatcc 180
 agaaaaagca tagacaaaaa aatgcagtct tagtactggg atgtttgaga tgggggtctat 240
 ctacatgtct ctactgtgct ctatcaggac agcatctggg gtggcctgca gaggatgattc 300
 ctgtactttt ttttttttgg gggctggttn taaatggatt gttttgacaa tcc 353

<210> 1431
 <211> 335
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 31, 38, 45, 49, 54, 56, 63, 65, 82, 99, 104, 123, 127,
 134, 152, 158, 174, 189, 219, 235, 254, 255, 263, 268, 274,
 281, 304
 <223> n = A,T,C or G

<400> 1431
 actgccttc tatggccaga accttcnttg ncagtgtntc ctggngcgnc tggntnttta 60
 ttanccctag atggcactag anggaagaca ggccgaaanc gaantcccag gcttccttta 120
 tgntaanagc gatnaggcct ttacaagtct antattgnga gtctccagag agancagagc 180
 tctcctacng actagcttaa acctggagtc agcgagatnc taactgctgt cagangaatg 240
 ggcccaagga gtcnnngaaag aanccctnca gggnggattg ntgtgaagtg ggtgatgact 300
 atanaagctc gaggccagga gctgatgtta ttcaa 335

<210> 1432
 <211> 256
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 73
 <223> n = A,T,C or G

<400> 1432
 gggcacagat tgctattaca ccaaggggac agagctattg agtgggagaa gtggaatttg 60
 aataagccag ggngcacaga ttagtgagga acctaaactgg aacctaccaa ctagaaactc 120
 aacatacagg gaggacaatg aagaaacctt caaagaaacc agttcctgtt gccctaattc 180
 aacaagtctt aacaagaag tacactgaaa ctttactgct atgcaataaa gcacagcaaa 240
 ctgggaaaaa aaaaaa 256

<210> 1433
 <211> 136
 <212> DNA
 <213> Mus musculus

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<220>
<221> misc_feature
<222> 19, 33, 40, 48, 55, 56, 59, 62, 70, 71, 97, 101, 113
<223> n = A,T,C or G

<400> 1433
acgggtggcctt gtgctggana gatggctcaa ccnttaagan tgccgacngc tcttnnaang 60
gncctgagtn naaatcctaa caaccacgtg gtggctnata nccaccata acnaaatctg 120
atgccatttt ctggag 136

<210> 1434
<211> 226
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 140, 153, 197, 209
<223> n = A,T,C or G

<400> 1434
actgagaaag gtttaactga ggagggaaga ccacctgcc tatgtgaggc caccataccc 60
atgggctggg gtccctggatt gaatcaaag gaggaagcaa gctgagcatg aacattgacc 120
ttcctgactg cagatatcan tgcgatagct gtntcctgct tcttctacta tgcctcccc 180
ttccatgatg gactgtntctc tgaaactgng agccaaaata tacact 226

<210> 1435
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 1435
actgagacac atgtcggagg cgaggnttat ggccagagac gtcacatcaaga ctgttccaca 60
cgaccaggtc ccccaacctc cagtggcctc tgagactccc agcatgaagg agcctgtggc 120
tggggaaaaac cttagtcttg tgagagacgt ggacctcatg gactgctgtg aaggcagaaa 180
ccagggtggc ttgaggctgg cctgcatcgg cgatgagatg gacctgtgtc tgcggagccc 240
ccgtctgtgc cagctgcctg ggattgctat acacagactc gctgtcacct acagccggac 300
aggtgtcaga ggtattttca ggagcttgat tcgaagcctc accaacctca gggaaaacat 360
ctggtcctgg agagtcttga ctccctggcgc ctgggtgtca cctgaccagg accctgggca 420
gctgtttcca atgggtgctgc tgggtcttctt gctgctgggt ggggcctggg atttgcagct 480
tcagtgaagt gcagctt 497

<210> 1436
<211> 211
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 56, 58, 61, 128
<223> n = A,T,C or G

<400> 1436
aatggccccg ggcgcgaaag aagattgcct gttagttctt tatcaatata acggcngnac 60
ngagaagaga agctacagtg tgccttttgt ttggttttac caatgtgaag cagttttcag 120
aaaggagnac taccacagga gcctcgttcc aataaaaaa gtgcgtgcat accttttaaa 180

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- REPLACEMENT COPY -

211

gataagcacg tgatctagat cgaaaaaaaa a

<210> 1437
<211> 222
<212> DNA
<213> Mus musculus

<400> 1437
aagctgggtg tgttggcaca tgccttttaa tcccagccat caggaggcag aagcagactg 60
gatctccagg agttcaagac cagcctgata tgcatttggg gttccagtgc tgaatattaa 120
cccaaggcct tgtgcatatg aggcaaacac tccactacgg tatacattha gcctatactt 180
tgaattttta gaatagagat gttcaaactg caaaaaaaaa aa 222

<210> 1438
<211> 389
<212> DNA
<213> Mus musculus

<400> 1438
tgagattgtc tagccgctcg atgggggagtc cagaagaccg cctgtgtgtg tcagatcccc 60
acctctctgt agcaagagaa gtaactacag cgccttcaca gtcattgatga tgaaactggg 120
attaactgag tggcccttat ggatttttaa ctctaactca cagttagcca gcaagccata 180
tgtttacagt tcaacacaaa acccttcgtg ttgctgcact tcttgtgaga gggtgagacg 240
cctgttggtg cagagtggaa tacaagagtt acttgccgtg gaacacacct gcagcagagc 300
gagaagacgt cttaatttat cattggagag agatgatagt attatttata taggtagaat 360
aaatatatat ataaatatat atattttgg 389

<210> 1439
<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 46, 88, 89, 98
<223> n = A,T,C or G

<400> 1439
aactgagagc atactgccct gctggtagtt cataccatt cctgancaac actgggtttt 60
gccatggaat ccttagatcc agcggggmnt gggcagtnng ccactgttca aaattaa 117

<210> 1440
<211> 276
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 39, 40, 43, 47, 65, 119, 189, 210, 212, 219, 221, 228,
241, 244, 249, 250
<223> n = A,T,C or G

<400> 1440
cttacagagg ggaacttngg aagctgtgag gataacaann gcncgangga gaaaacaaag 60
atcanaatca gttctccttc caagcactca gccaggccaa gccagagggtg actctgcana 120
gagtcacaac cccttgggtc cctgcgtcag atgccacctc tcctaagaga gaactcacc 180
aagatgtgnc tgagtccaag ggaagtccgn gncctcana nacagaancg ctttactgg 240
ncanctcann ggaacctttt cttgctaatac aagata 276

<210> 1441
<211> 427

- REPLACEMENT COPY -

<212> DNA
 <213> Mus musculus
 <220>
 <221> misc_feature
 <222> 106, 137, 148
 <223> n = A,T,C or G

<400> 1441
 actgaggatt tgaaagtatt cttgagggct gtttggacct gcgttattaa aagatctcag 60
 tttattttaa gagtgtgacc ctgaaagcat ttctgattgg gccgtntgat gaaaattgtc 120
 tgttctgttg cttgaanaga gataaagnaa agggacattt agtcggtctg gatgaaccag 180
 cttccggagc tgggcaagaa gctttgctta agcaagagca cgcaaaaatc attcgactcc 240
 agagacaagc agaagagttc ctcaatgcag tcttttatag aaaagggttg tttcagtggc 300
 aaacgacaca gctgtctgct tgatcatatat taatttcctt aatatagatg tcattttaag 360
 ttactcttca aatatttctg tattccttta tcacattaaa tttggaataa cgtaagaca 420
 aaaaaaa 427

<210> 1442
 <211> 585
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 465, 478
 <223> n = A,T,C or G

<400> 1442
 tatctgttcc caggatgagt aacagccacc ctcttcgccc ctttactgca gtgggggaaa 60
 tcgatcatgt gcacattttg tctgagcata ttgggtgcctt gttgatttgt gaagaatatg 120
 gtgatgtcac gtttgttgtg gaaaagaagc gctttcctgc ccacagggtg attttagcag 180
 cgagggtgcca atattttcga gcattactgt atggcgggat gcgagagtcg cagcccgaag 240
 cagagatccc tctccaagac accacggccg aggcctttcac gatgctcctc agatataatc 300
 acacggggcc gggcgacgct cactgatgag aaggaggagg tgctgctgga cttcctgagc 360
 ctggctcaca aatatggatt tccagagctg gaggactcta cttctgagta tctctgcacc 420
 atactgaaca ttcagaatgt ctgtatgacc tttgatgttg ccagctcta ctcgcttnc 480
 aagttaaact ttgtatgtgc tgcatgttca tggacagaaa tgctcaggag gtgctggcca 540
 ggcagcgctt tctctccctg tccaagacag cacctcctga atatc 585

<210> 1443
 <211> 456
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 317, 327, 391, 419
 <223> n = A,T,C or G

<400> 1443
 gactgaggtc ttgaatacca tcatggccaa accttacgaa ttttaactggc agaaggaagt 60
 gccctctttc ttgcaagaag gagcagtttt tgacagatac gaagaggaat cttttgtgtt 120
 tgagcccaac tgccctcttca aagtagatga attcggcttc ttctgacgt ggaagagtga 180
 aggcaaggaa ggacaagtgc tagaatgttc cctcatcaac agtattcgcc aagcagccat 240
 accaaaggat cccaaaatcc tggctgctct cgaagctgtt ggaaaatctg aaaatgatct 300
 ggaagggcgg atattgngtg tctgcancgg cacggatctg gtgaatatcg gcttcactta 360
 catggtggct gaaaatccag aagtaactaa ngaatgctga acccactggg tgggtacctnc 420
 cctgagcaag ctaagggagc aagccaggaa gctgag 456

<210> 1444

- REPLACEMENT COPY -

<211> 199
 <212> DNA
 <213> Mus musculus

```
<400> 1444
gactgagtat cgttgatctg atgggcccag ttcattatca gcttcaactg tcctgtgtcc 60
tgaggctttc gaacattcct tgtcctgtaa ggaggtgaca gaggcagact gtgacccgga 120
agacacttgt gattacctgt aacaaacgtt gatgttgaaa ctaataaaga attgttgttt 180
tttaagtcaa aaaaaaaaaa 199
```

<210> 1445
 <211> 183
 <212> DNA
 <213> Mus musculus

```
<400> 1445
cctcgagaac ccaggcaacc acagacagac atcagagccc tgtctcgcac tgcttgattt 60
cctcttgatc tcctttggca gacactcaaa tgcaatatga gattcagtgat tgtaactagg 120
ctgcggtattg tatacaactc actctttaat cactaaaagt aagaaaacat aacagaaaaa 180
aaa 183
```

<210> 1446
 <211> 617
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 265, 269, 271, 275, 277, 285, 286, 288, 451, 521, 525, 549,
 552, 564, 576, 578, 591, 601
 <223> n = A,T,C or G

```
<400> 1446
gcagactgag ctcttacttc tggggacgaa ggaaaatcca ggattaaaga caatccaggc 60
caccctgtct aggcaaggga tcgacctga gtatctttcg tcagtggatt taaagcaacg 120
ctttccaaac attcggttca ccaggggaga agtggggctc ttggacaaga ctggaggtgt 180
cctctatgca gacaaggccc tcagagccct ccagcatata atttgtcagc taggaggcac 240
tgtgtgtgat ggagagaagg taggncttnt nctancngga ctatnngnca cagtgaanaa 300
caccctgaag agctaccaag ccaacagctt ggtcatcact gctgggccct ggaccaaccg 360
gcttctgcat cctctgggga ttgagttgcc tctccagacc cttaggatca atgtgtgtta 420
ctggcgagag aagggtccctg ggagctatgg ngatcacaa gcttttccat gcacccctgg 480
tctggatctg gccccacca catctatgga ctggcagcat ncgantaccc ggggctgatg 540
aagatctgnt tnaccatggt gacnatgtgg acccananga accgggactg ncccaaaacc 600
nttttaagac cttccca 617
```

<210> 1447
 <211> 489
 <212> DNA
 <213> Mus musculus

```
<400> 1447
aactgagagc gctgatacaa ggcattgctg agaagtgtga ccgcttcctc tggtcgcagc 60
aggcctagtt ggggatctac tttgaccaag tggaatcctg ctctcgacct tgcagaggctc 120
tttggcacag aagggaagag gacaccccaa aacatgctgc tgcagctgct gatgtctcat 180
caccgcctgg ccagcccttg gcttttgtgg ctctgtgacc tcagagtttc tcaaggaagc 240
agtgggctga ccttactctg aagcagcctg gaggtgctcc ctgctggggtc ggattctttg 300
tgtacaccat gaatcaggga attggtttct actgatgcag atctgtaggg agcagaagct 360
ttggtacagg aagacataac taatattgta aactggagtt caatactttt tcttactgag 420
ttaggacctg gaacaatgac atcattcctg ttggcttatg taataaatac tgaagatcca 480
aactagaga 489
```

- REPLACEMENT COPY -

<210> 1448
 <211> 172
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 38, 89, 147, 152, 155
 <223> n = A,T,C or G

<400> 1448
 ggtaaaatgc caatctcagg catcatgacc acaccagnag aagaactaca aggaaggctt 60
 ttccaccttt gacaccacgg acgcccagnc tgatctgttt ttgcacataa tttaatgtat 120
 tcttctacgt ttatggcttt gagattnaaa anacngtgct tgtgctttgc aa 172

<210> 1449
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27, 33, 34, 36, 38, 65
 <223> n = A,T,C or G

<400> 1449
 tactggacca gagattattc gcccggaat tgnntncnct ccccttgct tcataactga 60
 gtgtngcaac agtaaaattg gagctttgat cagaaaaaaaa aaa 103

<210> 1450
 <211> 196
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 32, 37, 40, 41, 43, 45, 104, 176, 177
 <223> n = A,T,C or G

<400> 1450
 gaactgaggc tctataaagg acatgggaag gnaggangcn ngntntcttt gcctgcttgc 60
 tctcactggc attagagcct actgaggcag ggtgtccagc cgcngtacta aagagaagtt 120
 gagacatccg gccttggtga ctatacagct actggattct tggaccttcc attgggnntgg 180
 agccattggt ggacaa 196

<210> 1451
 <211> 366
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 318
 <223> n = A,T,C or G

<400> 1451
 gaactgagac acccgaggac ttacagtaa gaggccaagg gaaatgctga gtaagcagga 60
 agcggttgac ttgcccgaagg tcaccaaacac caaatggagc cgggtggaagt caaccaaacc 120
 ttgttctgct gcctgtgact ccagcctcc agttccacct gtgcggggtg gaggggttggg 180
 aggaacttag cctgtaagac tctggcgagc cttagcttac ctgagtgttc acccctgagt 240
 gaacaacgca tgcagaaagc aagagggatt tattgttcca atgcattggg gtcaccctac 300

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atccaaagga gaggcggnga cctctcgag cctgtttggt aagtgtttat acacttttta 360
gagcag 366

<210> 1452

<211> 419

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 42, 171, 174, 203, 219, 231, 232, 238, 259, 315, 316,
325, 331, 359, 367, 376, 384

<223> n = A,T,C or G

<400> 1452

cctgacaatt	gacaagatgg	cntcttttatt	gattgatcag	anaccaattg	gggacaagga	60
ccttcagcgt	ttggacacac	agattcacaa	ttttgggggc	ccggattact	tcaaagcatt	120
agatcccatc	cccaacacat	gtgttcaccc	cccagtggtg	agtaggtttg	nctntgaagg	180
cccaggattt	ttatgggtcac	tcntagcaga	gtcaaagtnt	gagaaagaga	nngctaanga	240
tatgcctctt	gagccttcng	gggaaataag	ggcaaagtct	caagtccttt	tattattttt	300
ttttccgaga	caggnnattc	tatgnatagc	nctgggtgtc	cctggaactc	attttatang	360
ccatggnttg	gcctcnaact	caanaaatcc	gcttacctgt	ggctgcaagt	gcagggcat	419

<210> 1453

<211> 464

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 131, 190, 217, 289, 299, 346

<223> n = A,T,C or G

<400> 1453

tttgagcctt	gtatgttggt	tttgaagttg	agttcagagg	aggagagaat	ctatggctgt	60
ttaaagaaat	tatgagtcga	ggatcacaa	ttcacatttt	tttgggtgct	ccagttgctc	120
cactgaaaa	nacagtatca	cagggaaacag	cttccttaat	gtccactgcc	aacgcctggg	180
aaaaagtcn	actctcctat	aaacagcatt	ccttgtnctt	gaaggctggg	gatcaggagt	240
ttaaaaatct	ggaagactgt	caagtcccc	aaaggctctg	gccctccang	ccttcttant	300
ggtgacgttt	tgatgacttc	tgtgaggagg	tctgctcagg	tggaanagga	ctttaaacat	360
tctgcttcgg	aagcacagag	tgtgaaatcc	ccacgttaac	ctgagtgata	tgactagtgg	420
acaaatgtgt	ggccttgggg	acggagtcca	ccattttacc	cgaa		464

<210> 1454

<211> 440

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 361, 382, 388

<223> n = A,T,C or G

<400> 1454

tgaccaagta	tggtgggtca	cacttatact	ctgagcactc	aagaggatgg	gcaacggaat	60
tgctgacccg	agaggacagc	ctcgccgtga	gttccagaga	tgatccagca	ggttgagggtcc	120
cagcagagga	gacttctagg	tgaaccgcca	cagaaaggat	ggaagggtcac	tttacaccat	180
gttgatctgc	tgaaactgtg	actccagtgc	tcctgatcct	gcttgcttgc	tgtttatgct	240
ttgctgcacc	agccactgcc	cccttactat	ctgggtaccc	cgcagcagtc	gatgcaacag	300
cctgtgcac	aagttctcag	tggctggcaa	gaaggccaat	tggtatagcca	ctcttctctt	360
ntcggactta	acacagaact	gntgggttnc	aaacaaggac	ctttgcattg	gaaataaagg	420

- REPLACEMENT COPY -

440

accctcagcc ctttcccatc

<210> 1455

<211> 203

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 32, 36, 57, 65, 80, 81, 132, 175, 176

<223> n = A,T,C or G

<400> 1455

```
ctctgctgag ccctgnctcc ttaagcaggc cngagntcga cagaactcgg ttgcttngct 60
gttangcttt ggagggaacn nagctgactg atgaggctga ctttgaactc aagagatttg 120
ctgaccccag tncgtctgga attaaaggcc tgatctacat tcgcctggac ctaannattt 180
tcatgatcac tatgcttcaa gat 203
```

<210> 1456

<211> 236

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 30, 31, 189

<223> n = A,T,C or G

<400> 1456

```
ctgccccacc ctttcttcat gtcccactgn nctagaatca gatctgcatg gctatgacat 60
gctcgccgtt ttaaagatgc aaagatttca tgctagatca ttagaatgta tctggacttc 120
gttaggacaa gttctttgct agtaaccagt cacgtgctag caattgaggt gtgttaacct 180
gtatattgnt gcctatgagt aattttccat aatctttaat aaaggcttcc tgtgtc 236
```

<210> 1457

<211> 116

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 36, 44, 48, 55, 57, 59, 72, 92, 98, 99

<223> n = A,T,C or G

<400> 1457

```
gagccacaca ctgtgcacct ttntactgaa ccaganatta ttcnngcnga atctngntnc 60
catccccctt cnttcataac tgagtgtgga gncagtgna attggagctt tgatca 116
```

<210> 1458

<211> 119

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 35, 40, 50, 52, 54, 55, 57, 60, 81

<223> n = A,T,C or G

<400> 1458

```
acactgtgcg cctttatact gtgccagaga tcntnccgcn gggaatcgn tncnntnccn 60
cttgcttcat aactgagtgt ngcaacagta aaattggagc tttgatcaga aaaaaaaaaa 119
```

- REPLACEMENT COPY -

<210> 1459

<211> 127

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 25, 26, 36, 45, 47, 54, 62, 66, 68, 69, 90, 107

<223> n = A,T,C or G

<400> 1459

```

ggggagccac acactgtgca ccttnntact ggacngaga ttatnncgc cggnaatctg 60
gnttcntnnc cgcttgcttc ataactgagn gtggcaacag tgaaatngga gctttgatca 120
agaaaaa                                     127

```

<210> 1460

<211> 173

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 29, 34, 45, 64, 90, 97, 128, 131

<223> n = A,T,C or G

<400> 1460

```

gcaaaggctc atacacnctg caagtcttna tggnccttacc accanccttt ccagcaggtt 60
ctantgcctt gacctggggt aggaccgagn gaaggangaa gagggtaaaa gggcacagac 120
ttcccccant ntgccctaaa taaaataaca atgctgattc aatgaaaaaa aaa          173

```

<210> 1461

<211> 443

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 59, 60

<223> n = A,T,C or G

<400> 1461

```

ctaccctccg gcctctactt ccacgtgctg ggatcgtggg catgtgccgc cttgtatcnn 60
ctcatgtcac tttgtaccac tgcgtctagc tgagttctgc tgtcttgccct gagctgagga 120
tgtgaaaacc ctaaagagga agtgactgtt aaaggacttt ccttttgagg gcctcatcat 180
tctagaagggt tccttcccg cgcctctctc cccaggggca gctccctgc ggttgtgggt 240
gtgcacctgg tttctaccca cgttgctggc cagtttgccct aatcctgtgg cactgttatg 300
aaatcctaata tacaattaag aaaaaagtct gagcaaaacc caagatacct ccggatttta 360
tcatgatgct cattaatctc atcttcaaac ttaatgtcaa gtgtttgtct tttgcttttt 420
gaaaaaattt tttcttaaca tac                                     443

```

<210> 1462

<211> 118

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 43

<223> n = A,T,C or G

<400> 1462

- REPLACEMENT COPY -

acaccttttta acccgacatg ggaacgttca tgataggacg ggnaaaatgt gtcaccctgg 60
agaagtgggg aacaggactt attccagcaa gggaggagag ctttgtcgtg ctcgatgg 118

<210> 1463
<211> 157
<212> DNA
<213> Mus musculus

<400> 1463
acctgaggtc cctgttcggg cgccaaaatg ttgcggccgc cagcagctcg caacgtgaac 60
ggtttgactg agaaggccgc tcgagctgta agagaggaat ctagacgggg caaaagaaga 120
aatgtagcca agacagttac tctgacgaaa aaaaaaa 157

<210> 1464
<211> 260
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 29, 30, 31, 35, 40, 43, 46, 47, 48, 53, 66, 91, 93, 107,
172, 191, 198, 235
<223> n = A,T,C or G

<400> 1464
cctacagagt gagttccagg acagccntnn ntatnctgan aancnnntc ggnacttcca 60
gttctnctat gaaggatgtt gatggtttag nncggggaa caagtgnccc tttccagttt 120
tgtccagacc ctgacgagga cataatgggtt gttatcaata aggaaaagggt anaagagatg 180
gaacagctca ntgagganct ttaccaacaa aaccaggagc tgaaagacaa gtacnctgac 240
ctccatgagc agctacagac 260

<210> 1465
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 92, 99, 142, 348, 352, 361, 397
<223> n = A,T,C or G

<400> 1465
gactgagaag agaggtgggt cgctgcatg tctgttgtct gcatgtctac ttccttgttc 60
tgtcactcgg ctgcacnttg acctcaccaa gntgaaagnc gacatgtgca tggcagccat 120
cttgtctgct aactgaactc cngcacaaca agatggagggt ggctggcctt catgtgacct 180
attgtttcag gtcgctttgg tttctccctt caccgggttc tagtggcccg gtttgcaagt 240
gcagaatgggt gacgaggctc cctaaagcag cctcgacctt ccacagacag cctcacgttt 300
ttctcctact ttttccttat gcttttaaac ggcagactct gaattggnc anctaaaatt 360
nttttggggg gaaaattaaa atttttaatt taaaaangcc ttaattaat gaaaaaaa 418

<210> 1466
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 85
<223> n = A,T,C or G

<400> 1466

- REPLACEMENT COPY -

```
aactgagatg tcaagggcct ctacacacat ctggaagttc aggcattggcc cttgagaacc 60
gcgtactcac gcgctccagg aggcngactg cggcaggatt gccccggaaa gctgtcgag 120
tgaacgcac tgctatgaag attgggagct tcattttcct cgctggctct gtctgagggc 180
tccctgccct gctcggagcc cgtttcactt ccagctgtta agaagaagaa aaagttaatg 240
ttttactcca tgtatagacg tagttaatag ttaccagata gaaagtcatt gactccaaca 300
tactttgcac ctcaagatgt gcacaccccg acttttcaaa gcctctgcat ttaatttggt 360
ttaaaatact aactgaaatg aaacagtttt aacctttggc tatttgcccc tctaccccaa 420
cagaactccc caacataatc accctctgtc ccagagtagc tgacactagc tgtgacagtg 480
actttaataa aattcatgag acatctgaaa aaaaaaaaa 518
```

<210> 1467
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 28, 39, 49, 66, 71, 76
<223> n = A,T,C or G

```
<400> 1467
gacagtcact ttactgttta aagcgnntca aacccaaanc ggcaatgang gaggtggtct 60
ctgccnactg ntgatnaaca ggaagagacc gtgaattgag gccaccaaga acttgacagt 120
gaacaagatg gaga 134
```

<210> 1468
<211> 204
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 18, 21, 27, 47, 60, 66, 93, 104, 135, 148
<223> n = A,T,C or G

```
<400> 1468
tgcttgcttc tatctgcnga ncccatntga agactgatgc tgtccgngtg cacatccggn 60
atgganctct ggtccctggg cttaaggagc ttncgggtgg ggcnacaggt gcagccacca 120
gaggaagggg attancgata gctctcanag aggagagcag gctgtccttg gcatttttaa 180
aaatggcatt ttgaaaaaaaa aaaa 204
```

<210> 1469
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 30, 32, 36, 45, 54, 73
<223> n = A,T,C or G

```
<400> 1469
cgtggcaacc atactggggg cctcntatan cntgtnaagg aagantataa tcgntttgat 60
cttgaacttt acnatgaagc tgtaaaaatt atcaaaaaaa aaa 103
```

<210> 1470
<211> 505
<212> DNA
<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 45, 46, 440
 <223> n = A,T,C or G

```
<400> 1470
ccctgaaatg ctctggaagc tatggaccag caagaccttc cagannagag agaacgatgg 60
cagtgggtgag cgataaggcc ctaggtaggc taaagtgcc cggacaagat agcattgaat 120
tgggcatctg tggctggctg acttataaat tgacctgata agcaggtcct tggactggga 180
tgaaagaggt gtcactgaga gattaatctg atggccttgg gctaccgcgc cccggatctt 240
tctgggagca gtgtgaagat ggggtgcttt tagaaagttt tatgttacca actgggcccc 300
acctttcaat cttggatttt aaaaacccca ttgaaacccc ttgtccacag gaatggcatg 360
tagctttctt agagttttatc tttccttaca cataagaatt cagagcctta gggagatggc 420
tcagtgggta agggcactgn cccaagcca gaggacctga gttcgagtcc ctgggacctg 480
caatagtgga agattcctat aagtt 505
```

<210> 1471
 <211> 170
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 86, 87
 <223> n = A,T,C or G

```
<400> 1471
gctcttggag ctggccaatg aggtggacta tgcacctca ttaatggctc ggattatcct 60
ggagagattt ctacaggggc atgaanngac tccaccaaga ctggagaaat gctactctca 120
agtgcaaaaa tgaattctac caatgttcgt atgagaaaag gaaaaagaaa 170
```

<210> 1472
 <211> 123
 <212> DNA
 <213> Mus musculus

```
<400> 1472
gaactgagga atttgatcag tttgatgaaa tttcattgat gtcaactctc cagctgtctg 60
tgccttacca aaagctgttt gcctccaaga caacaaacag cccgtgtgat ccaaaaaaaaa 120
aaa 123
```

<210> 1473
 <211> 452
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 31, 46, 47, 50, 56, 99, 105, 111, 121, 134
 <223> n = A,T,C or G

```
<400> 1473
ggtgtaaggt ctectgnagc cacatctatg nagttacatg aagatnnggn cctgtnaaca 60
tggtttcttg gaactgaacc caggteectt gaaaggacnt cgagngctct naaccactga 120
nccatctctg cagnctaacc ccatcccttg gaggctgaag caaagcatag ttcaatgact 180
cgtgcgacct ggctcttgat tgggcctaag gaaaagccga ctgtaagccg ggaagcatct 240
ctggcaagaa caaggaagga ttaagcacgt ctgtggttgt gcgcagggat cacaaggtgc 300
tcctgcagtg ggaagagcca ccactagggg cgctccaagt cttgtatttt ctaccttgaa 360
aactcgtttc cctgtggctg cctccaaatc caacggagat gaatggcttt tagttttacct 420
agctgattta ataaacttta aaaataaatg ta 452
```

<210> 1474

- REPLACEMENT COPY -

<211> 237
<212> DNA
<213> Mus musculus

<400> 1474
gaactgagggc atgtcatgaa gctccgtgaa gacactttct tgctcatgaa gttcatgaac 60
ccttcttgca cgtaatgggtg tggctttggt ggcattctctg acgcaaggat ggacctctcc 120
agagccagggc atgaggctag acaagggtgct tgccatcagc tccaatgccc cccgtgccaa 180
ttcactcatc acaccagatc ataaaaataa atctttaatg gcttttagaaa aaaaaaa 237

<210> 1475
<211> 343
<212> DNA
<213> Mus musculus

<400> 1475
actgagtttt agaatgtcct gtgacctggt atattaggga gagcaaaaat ggaacttgca 60
acactactca tgccagccac acctacgaga agagtgaccc ctacagagag ccacacatag 120
ttctccctga gctcagtgct caggggtaat ccagagcctc gaggctgcca tcgggactgt 180
aacggacagt gaagatagga tgaactgagc acaagtgaca ctattttcta aggcagacat 240
agttggccca atctttagggt taatttggat gttactttgt atttcataaa tgacaataaa 300
tagtagatat atctaaatta tgtttgaagc aaaaagaaaa aga 343

<210> 1476
<211> 262
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 21, 56, 57, 100, 102
<223> n = A,T,C or G

<400> 1476
aaaagagatg cagaancctg naaaccttcc aaaggaggga aaagaacagc actcannaag 60
gaaaagaaat gatggagttt ttctcttctt gagtccttan gngtcagtgg tacagtgtag 120
acaaaatgat gacagccatt aatgtaacct ttgagaggag ttgtctgtcc cgcctaagcc 180
gagcagggtt catcgacctg atcttagtag ttcttagaat tcgcctaaca ctgtgtgagg 240
gtttcatgtg aaggatgtgt ag 262

<210> 1477
<211> 428
<212> DNA
<213> Mus musculus

<400> 1477
ggagaggctc ctcaagggtg tatcctgcta ctgctcccca aggccttgac caagcatagc 60
ccccagggc tggactacac tggtgaagac ctggcacagt cagatttcag cttttttatg 120
cctttcatgc ccccaactcc cattctttct ttaaactctga ctagtaactt ataagaggga 180
atggattcca tggataactg gctctgtcac tcaccagctc agccttgttt cttccacggg 240
cctggcacat taaggggatg gccacttgcc tgccaccaac caaaccaaca tggcaggagg 300
caaaaccccc ttagtttgaa tggccaagt atatatattc tctaaagaaa gttgccagga 360
tcctctttgt aacttgtgac atgaatcaga ataaagaatt ccctctgtcc tgccctgcaaa 420
aaaaaaaa 428

<210> 1478
<211> 201
<212> DNA
<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
<222> 44, 90, 170, 173
<223> n = A,T,C or G

<400> 1478
ctgactgaag tgtgcaaagg ggctgtccca cgaaccataa aacntcatgc ccacccagat 60
catccctgtc accactctag aggggaacagn tattttatatt gctatggaca aagacaaggg 120
aggggtgctag ggaatgattt tgtttctata aagaataaaa ttgtgtccgn ggngtggtcc 180
cgggagacag caggaaaaaa a 201

<210> 1479
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 47, 81, 117, 134, 201, 229, 237, 240, 258, 266, 268, 269,
276, 280, 290, 291, 301, 316
<223> n = A,T,C or G

<400> 1479
gactgagact tgtatcggtg tgattatact gtttagatga aaatgtntgg taaagcacgt 60
gcttctagga aaaaacctca ncagctgaaa agaagtttga aacaacagag ccaatanagg 120
aagcggattt gccngagaat gaggttggaa acacagcaaa aagaaacaga agtcatgcaa 180
agcatctgtc ctctaaagta ncaggacaag caacgtatat tcatctaana cggatanaan 240
tatcatccag cacgaganca acctgncnnc ctcttncaan ggatactgan nagtatttgc 300
naagtatgat ggagtnagtc attcttggaa ttttattcaa cataaaaaga aaagaa 356

<210> 1480
<211> 105
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 44, 49
<223> n = A,T,C or G

<400> 1480
gtagcttctt gtggaactct caaaggctcg acaggggggg tggntgggnc catatatcta 60
ctgcctcgaa tcgatgaatt cgagctcggg acccggggat cgaag 105

<210> 1481
<211> 131
<212> DNA
<213> Mus musculus

<400> 1481
tggaacgtgc acctttcagg acagtgagga aaacccttag tgtctctgca ttttgctttt 60
taagcgggaag tgtattttta ctgacacatg tgatgaataa agcagcttgt ggttttgggtg 120
aaaaaaaaa a 131

<210> 1482
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 130

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1482

```

gggaggagcc gacggccatc tctttcacca ggagaaccaa gtagctccct taacctcagc 60
ctcatgacca tgtttcagca ctgtcttaga cttggctttt cagactcagt tctgcttcac 120
acactggggn ctgcgatcac gcgaggaagg gagcttatta gtaaaccctg gtggagacca 180
cagccacac catcagttag aatcagcgtg ggaccactta ttcctgggga cacctgaaca 240
tcaacaaggc aggtgactga cccaaggac tctcagcaca acacagacag caagaaaaaa 300
aaa 303

```

<210> 1483

<211> 554

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 26, 35, 49, 55, 58, 59, 60, 65, 77, 86, 94, 97, 102,
106, 110, 127, 129, 130, 143, 148, 165, 167, 180, 187, 191,
194, 195, 218, 246, 261, 288, 289, 291, 308, 310, 319, 326,
345, 358, 372, 409, 422, 445, 450, 471, 473, 482, 490

<223> n = A,T,C or G

<221> misc_feature

<222> 500, 513, 519, 529

<223> n = A,T,C or G

<400> 1483

```

cttatcctcg gaactccact tccngncaag accanacatc ttctccctna acatngggnn 60
cgcgacttta gggctcnaact tcccngcca gctnctntac tntatnttan ataattggctt 120
ctacatnann tctcgcagca agngtaangt ccatcccca caggnantac attctctccn 180
aggattncat nctnnaccat taaaatctcc aatgtctnct gggaggcctc tacgtctaaa 240
atcaanatcc tcttcgacac naaccttcat gagcatgtat aacttttnt ntactgttca 300
tcacttantn cattctganc ctctnaacc agcacatctg cctntgctc taccatanct 360
cggacagcat tntcgaattc cctcctggac acattgcccc tccccaacnc tgcggatgat 420
cnccagctca tgcactacta ccttntgaan gaccctgtat tctccaacgg ncnacctttg 480
anacttgaan tccagagatn attcttccct ttnaaggang acaactacna tccttcccaa 540
acaaggcggc cgaa 554

```

<210> 1484

<211> 243

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 91

<223> n = A,T,C or G

<400> 1484

```

gactgaggtt ggtgtttctca ggactctttg gctcaaatgg ttctgcctga accccctgag 60
tgcttggtgc tacagatgta cctgtgtgct ntggctctgc tgatattgga ttctcaaagg 120
aaaaccattg actttgaaga gtgaagcctg gatgttttat caatgtttta atatgaaaac 180
tcaaattctat ataaaatgtt cacaaatagg aaaataaatg tccatttaca tttcaaaaaa 240
aaa 243

```

<210> 1485

<211> 311

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 16, 21, 35, 52, 59, 61, 69, 77, 79, 87, 119, 126, 136, 143,
151, 164, 168, 183, 202, 212, 222, 249, 253, 256, 291
<223> n = A,T,C or G

<400> 1485
acattacagc tccgcnccttc ntggaaagtt tgctncaggt ccctaacatt gntgaagant 60
nactaatng agactananc tcaagcnctt gctgcctggt tcactcctag gtttagctna 120
attgcncctac acatanatat gcntaggggg ncatagatgc agngncanct tagcagttca 180
ggncacttgc tgtttaatca tnaagactgg anctgagatg gncaaccatt cacaaaccta 240
taatttcanc ttnaanagat ctaatgccct cttctggcct ccttaggcaa nctcatatcc 300
tcatagagat a 311

<210> 1486
<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 38, 39, 58, 67
<223> n = A,T,C or G

<400> 1486
atccccaaac atacacattc aggggggggat ggggaacann atggtggatg cgcctcangg 60
ccacggncca cgtctgttgc aataaatctg cagctctgct tcttgcaaaa aaaaaaa 117

<210> 1487
<211> 463
<212> DNA
<213> Mus musculus

<400> 1487
atatgctcac acgatctgaa attcgctgct gtgaaaacag aaggaaaacgg tcctgtcagg 60
agaaccagcc cctgcagttc cctaaggctg gcacaatgga ggaaggttcc tctccgcctg 120
agttcctacc tcggtgatgg actccgtgat ggactatgat cctgacaccc acaactaaga 180
tccggcaggt gcttgacagc agtgacatct tgtgggaaat ctcaggaaact gcaccgtggc 240
aaatcgctgc tccttttact gtgggggtcct tggaataccc agtcaacatc aaggaagcat 300
tcattcattc actgccttct gtgtacaagg aactgatcca agtcctggaa taaagaaagc 360
aagagagact ggatggctac acggggagtg aaaaaattcc caaggattat aaccttgtca 420
ttactgctca actttaaata tattttgtgt gtgtgaaaaaa aaa 463

<210> 1488
<211> 124
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 30, 31, 35, 45, 48, 51, 52, 56, 60, 103
<223> n = A,T,C or G

<400> 1488
cttggttccc ctgctctgac agatngaacn nagentcacg gtgtnggncc nnctgnctgn 60
ccatcccgtt gataaattga ctatgccaat aaattaacat tgnttcactt tcgaaaaaaa 120
aaaa 124

<210> 1489
<211> 278
<212> DNA

```

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1489

```
tctgccccag aggttacatc aattgaactt ttaattaagt tctgctgatt ccttgcctcct 60
gtatcttcag tgaaatgtgc cttgtgctcc cacacgtcat caacctaaaa agaagtcctt 120
agtgaggata aactagtgtt tcataatctt gtttcctttt tctctttctt cagttccttc 180
tgtattcaag gggttaagga acccggggca attatcttgg agacgtaatt tttctggata 240
tcaatcaata aaagcaaata tgatttgaaa aaaaaaaaa 278
```

<210> 1490

<211> 110

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34, 40, 41, 45, 50, 59, 65, 76, 80

<223> n = A,T,C or G

<400> 1490

```
gaccctgctt acttggtctga actacggaca acancatatn ntgtnccttan aggcccttnc 60
gctgntccta acaacncatn ctggggccga actgtggctt ccataaatc 110
```

<210> 1491

<211> 156

<212> DNA

<213> Mus musculus

<400> 1491

```
gcacgtccgt gaagcttccg ccatgttctc tgggcacagc tgacaggagc ccctccatca 60
tgaacacagc ctctccaact atcacaacaa aaactagttt ccaaagacat cttatttcct 120
tgcgctataa agtatagtgg catcagaaaa aaaaaa 156
```

<210> 1492

<211> 432

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 32, 58, 94, 104, 142, 162

<223> n = A,T,C or G

<400> 1492

```
ataattcctt accatctttg tcanaatttg gnatactgcc aaaacctgtg tctgtggnaa 60
aattttgtct ccaatctttc attcaaggga acgnactaca atgnaacctt cactctgttg 120
cgcacactgt ggtcttagta gnatagtatg gggaagaacg gnaagctcct gttgtctctt 180
acttttgttc tctaacctgt tttgtaaagt cctctgatat gttgaactaa ttaatgtaat 240
atcaggaaaag gtttctagga tgtatatcag ttgagtattc atttatgctt taccagtaac 300
aaatttagaga aagggaagc attttgtata tttgtatggg aaggaaaatg tatattatgt 360
tagcattttc aacatttgga ctcgaatttt aatttaatta aagctgaatt tagttttgga 420
agtaaaaaaa aa 432
```

<210> 1493

<211> 300

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 44, 51, 67, 98, 102, 105, 111, 113, 116, 118, 120, 125,

- REPLACEMENT COPY -

134, 142, 145, 177, 213, 253
 <223> n = A,T,C or G

<400> 1493
 gggagaaact cactcgccaa acaacgtctc gtggtatcct gncngactct ngccgcttca 60
 gcatgancct ggctgctcct gctggattgc gctactgnta cngantcatg ntngngntn 120
 gctantgaac tggntctgctt anatnctgac acggaagagt ggaatgcgcc caaagcnagc 180
 acttctaata aggtccacaa ctccatttgc ctntaacctt gctttttccc tacctctggt 240
 tgggtgggcta aanggggaggg ttaagaaccc caaataaaga cagatgtgaa aaacctaata 300

<210> 1494
 <211> 377
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 82, 85, 132, 336, 360
 <223> n = A,T,C or G

<400> 1494
 tgcatagttg aagaaggaaa gcaaaatggt aatggaacga agtccaagaa ggctacatct 60
 cttttaactc agagtgggtt anctngcatt gctccagctg aagagcccag gagcccagaa 120
 gaaaaagacc ancaaggcgc acaaaaagca gaaagttaca gaggaatgtg aagaagcaat 180
 tccacaactg gtaccaatag gagagactcc agataaagaa aatgtaaaga tgcaagaaaa 240
 tatcacaggg aaaactccaa aatcgaaatc tgatccaagt acacctaaagg gtaagaaaag 300
 gaaggccttg ctgggtacag agactccaga agcctncggc cctgggggacc ttcagggaan 360
 gaaggcataa taaaggg 377

<210> 1495
 <211> 318
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 68, 82, 95, 118, 119, 121, 126, 129, 133, 136, 138, 146,
 150, 154, 162, 175, 179, 207, 208, 212, 216, 227, 241, 271,
 285, 298
 <223> n = A,T,C or G

<400> 1495
 aggttatccc ctaccccatc attgtaactt aaacttttcat gtacttgtaa gtaaaatcag 60
 gtactcgnc agcttctatg gnttctgtat ggggnaagtc gggctgggca ggggacnnc 120
 nctacnggnc ggnccnantt ctgacngccn gtncgtacc cngtaaagag ttganccant 180
 agaaaaggcc tccagcacta caagtannnta ancatntagg ctcccnaac caccatcaac 240
 ntgtagcact ctgccacca tctctcccca naaacatcac agctntaggt agcctcanc 300
 aacagtccctg tcttttgt 318

<210> 1496
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 1496
 gctgtcaatc cgctgcggca tggatcgatt caaggtgttt gccaatggca ttcacctttt 60
 caacttctcc catcggttcc aagcttttacg aaagataaac acgctggaga tcaatgggtga 120
 cctcaccttg tcctacgtcc acatctgagc tctctctggg gaaggaagca aaagatcccc 180
 gagttccatc taagctccta ataaaatggt gaaggggaaa aaaaaaaaa 228

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<210> 1497
<211> 162
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 33, 46, 64, 130
<223> n = A,T,C or G

<400> 1497
tgctacctgc tgggaggccc tggagangct atncctgaga ctattnctga gactacaccc 60
tatnctgcag ctgggctcca agaatagaatt ggcaggaatg ggcctccctt ccacccttta 120
taagcgcagn tgccattaaa catttgagcc ttgcttgatc ag 162

<210> 1498
<211> 258
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 103, 119, 130, 137, 158
<223> n = A,T,C or G

<400> 1498
ttttagagta tcaataaaaag actgggggaca tgaattacgc ctgagcctgg cctgacaccc 60
caaggatgtc aaggaggatc aatgttccag agataagatg canagtgtccc gccgcctana 120
gcctgacttn tgccctnatg tcagcagatg cccgcttntt tggctctttgt taaattcccc 180
ctcgacccct tcctattccc cgtgatgcat gctttaaaac aaggcacctc agcataataa 240
acggagacct tgctaggc 258

<210> 1499
<211> 810
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 479, 489, 490, 520, 542, 575, 587, 590, 592, 599, 607, 608,
614, 626, 631, 638, 641, 642, 646, 650, 654, 658, 662, 665,
669, 672, 673, 676, 680, 681, 685, 686, 688, 698, 701, 702,
703, 704, 708, 709, 710, 716, 717, 719, 727, 730, 736
<223> n = A,T,C or G

<221> misc_feature
<222> 738, 743, 745, 746, 748, 751, 753, 760, 768, 769, 770, 775,
781, 789
<223> n = A,T,C or G

<400> 1499
gaactgaggg attgcccttc tctcagatgt gtaccctgaa gaaatcttgg ttgatctgtt 60
ggccaaatat gacagtggga aagacaagca cactcctgag accagaatga aggttggcga 120
ggtcctgatg cgagttgtca gagcactggg ggacatgggtc tcgaaatacc gggaaccttt 180
gatccacacc ttcctgcggg gaggtagaga tccagatgct gcacacaggg ccagcagctt 240
agccaacctg ggagagctgt gccagtgcct gcacttcctg ctgggccccg tggttcatga 300
ggtgacagcc tgcctgattg ctgtgggctaa gacagacaat gatgttcaag tgcgcagagc 360
tgcatgccat gtggttgtgc tgctgcttcg gggactcagc cagaaagcaa cggagggtgct 420
gagcgacgtc ctcagggatc tctatcactt gctgaagcac gtggtgcccgc ttggacctng 480
ttgacgtcnn caaagcctgc atgccagct gcccttggan gagcttcgat gagatcattg 540
anggaacttc ctgttccctt gcccacaataa gctgnagaaa gaaaganttn tnggtcctng 600

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```
ccattannac cctnggtttc accaangaac nattgggnaa nnaaanggc cngngtgnaa 660
ancntaanc cngncnaaan ntggnnantt tgggtgtanac nnnnaccnnn ttccanncna 720
atgtgcntgn ttttcnanc ctngnncntt ntncctttgn ggtggccnnn tacncttgg 780
naggggctnc tcggcttatt taaacccctc 810
```

<210> 1500

<211> 384

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 36, 38, 47, 48, 49, 71, 73, 138, 139, 142, 145, 147,
204, 225, 245, 290, 308, 361, 364

<223> n = A,T,C or G

<400> 1500

```
cccccaatgg atggactttt aagnctgaaa aactgnanga aaccctnnng tgtctgcata 60
agcaactcaa nanctgtttt gctctgccgc ataagcaagt tacagcagca aacaagtagt 120
tggtcataac ataacacnna antgnanact gccgtagggt tgtgtggggg tgggggcatg 180
tactgagtc caggttactg ggantttatc ttctagggac tggantcaaa aagacaaaaga 240
gctantgggt accaagctgg atgcctatca taaaatggag ttacagtacn atcacgttgg 300
ggaccccnca gatacacaag tgcttgctct ttaccgcttg aaaccctca cacctcaatc 360
ntantataca aaaaggattt ttgg 384
```

<210> 1501

<211> 101

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 82

<223> n = A,T,C or G

<400> 1501

```
gaggctctcc cttccggagg ggcaagtgtt tccggacctt cccaaagtgc ttgaagtgat 60
cttttcataa gtaaattctg gngaactttc aaaaaaaaaa a 101
```

<210> 1502

<211> 254

<212> DNA

<213> Mus musculus

<400> 1502

```
agaactgagg tgtgtgggtg ttttcccttc atgtatgtct ctgccccaca tgtattcagt 60
gtccatggag cccagaggag ggtgatggat tctctgaaac tggaggaaaa gtgacaaatg 120
tgttgtcaca agaagagcta gtaaggaatt actgagccaa aatcaattac caacgcgtct 180
caggaaaaca ccatgtgtta gacagcctgc tgcagataac ttggttttga taaactcaaa 240
gtccaactca taat 254
```

<210> 1503

<211> 324

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 38, 58, 76, 81, 101, 126, 132, 142, 170, 175, 190, 207,
211, 224, 227, 238, 240, 243, 245, 255, 261, 270, 282, 288,
289, 295, 298, 305, 306

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1503

```
ctgaagtaag agcctgggca ggaggccata nttacttntt gttggaactc tcaaaggncg 60
gacagagaag catggngtgg ntccatatat ctactgcctc naatccgatg aatttttttc 120
tcggtnaccc gnggatcaga anttcctatt cggaagttcc tattctctan aaaantatag 180
gaactttttn acctgcaagc atgcaanctt ntacctcgac gtcnaanaag ggactgangn 240
ctngnataaa agggnaaaga ntccgatgcg gtgtcccaac cnatgganng tttcntangg 300
gggannaaat aaccggggcc ggca 324
```

<210> 1504

<211> 381

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 27, 28, 45, 57, 61, 71, 77, 86, 94, 95, 128, 129, 149,
178, 215, 225, 250, 258, 263, 271, 272, 277, 299, 306, 315,
338

<223> n = A,T,C or G

<400> 1504

```
ccctggggga accccccccg atgatnnnga ggatgacacc tcccnccccc ttgttcnaag 60
nggattaaga nggaccngga catacnggaa catnntgcta ttagagtcga caagccggtg 120
ataatgggna ggaaccaagg cagcttctna taccgccaat cgtgaagaga gtcccaanaa 180
agcagtttaa cccccgagtc ctggctgaaa caaanctcca attancccggt ggggttctcc 240
caaggggggn gatttttnaa ggngtgccaa nnccaanac cttactccca ttttaccanc 300
tttttngaag gaggnctcatt tttacagcct ccaaaaanag gggaccctct ccgacttgat 360
ggcctaggca tcctcctttt t 381
```

<210> 1505

<211> 217

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 146

<223> n = A,T,C or G

<400> 1505

```
ttgaatttca tacttagtta ctgtatgact ttaataacac cagctaattt cagtacttat 60
ggtttttagc tggtttcctt attttgtata ttttttattt gtaaataatta aaaataactc 120
tagtttcatt tggttcattca gaaganaaaa taattttgat tgctgaatgt atctgaagta 180
atccctgcat taaaatcatt ttctatcaaa aaaaaaa 217
```

<210> 1506

<211> 215

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 72, 73, 74, 78

<223> n = A,T,C or G

<400> 1506

```
atcatccctt caattggggc ccaaggataa aagaacaaga gaaagccaga taagatgatc 60
tctactctct gnnngggngg tctactgaag tctgaaggat cccggggcacg gggtcctgct 120
gccatgtgct ccaccatgcc ttgtgctgag atggattgta ccctcttaaa tcacaaaactg 180
```

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taataaaactt cttccttttaa gtggctaaaa aaaaa 215

<210> 1507
 <211> 354
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 86, 89, 90, 165, 246
 <223> n = A,T,C or G

<400> 1507
 gactgagggg gccccctgat ggaaaagcac naagaagcat gagtctctcg tccccatggt 60
 cctcacagaa ctgattctga cagggnaann gctactcttc gagccttctt tggaagactt 120
 tctggatggc atttctgggg caattaatca ctttgaaaac acggngttgt cagttcctaa 180
 tctggtgcct gactcgtact ttgacgcttt caccagcccg ttcattaaca agaaggttga 240
 ggggngacc tgcggggccc ggcccaacct gtcagccgtg tttgaggatg acaggaactt 300
 tctcaccatc atcatgcaaa taaaggtaga gtcactttta ctagaaaaaa aaaa 354

<210> 1508
 <211> 220
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 22, 36, 58, 63, 77, 88, 89, 118, 138, 140, 142, 159,
 166, 168, 171, 177, 183, 193, 204
 <223> n = A,T,C or G

<400> 1508
 caatgaaatc ctcggtntac tnagtggagg tcatcncacc gcatctggta aagggatnat 60
 ccncagcat cattggnact atcctcannt catgtggaat ccgaattact gccatcanaa 120
 ttcaccctta tatgaacntn tnagtcttct atcctcccnc tgtcangnag naagcgnccg 180
 tantcttttt tgnaatctgt tccntcgatc tcgaaatccg 220

<210> 1509
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 1509
 aagacagaat cgaaattgaa agaagaaaac acatggacca ggttggtgta ctgtgcccga 60
 agcgccagga tatcttgctg cgtcttggcc agcctgacct gggaggcccg gaaatccacc 120
 ttctgctgct tctcggcctc ctgcttcgtg cggaggaggc tgttctccga aaacttgaac 180
 acctggtgca gatggttctt cagctcctgg atcacaaagt tctccttctc cacctaggcc 240
 aggacgaatg aggacagggc cctattttaat agccacgcag tcctcccact cccagtcaca 300
 ggacagctgg ccttttggtt tgcccctccc ctagggggctt atgcgtctct ccggcctggg 360
 accacatgct cccctcccct aggaaagggg ttggccaagg cctacagggc aaatccagcc 420
 agccatagct gtcaataaag tattattggg acaca 455

<210> 1510
 <211> 223
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 90, 156
 <223> n = A,T,C or G

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<400> 1510
 gttgcaaagc ccagaagaaa gaaatggaca gcggaagaag tggttgtttt tttttccct 60
 tcattaattt tctagttttt agtaatccan aaaatttgat tttgttctaa agttcattat 120
 gcaaagatgt caccaacaga cttctgactg catgngaac tttcatatga tacataggat 180
 tacacttgta cctgttaaaa ataaaagttt gacttgcata cac 223

<210> 1511
 <211> 169
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 28, 48, 71, 86, 90, 98, 99, 111, 124, 136, 137, 144
 <223> n = A,T,C or G

<400> 1511
 ccgaccctcg ccctgtgatg nggcctgncc atcctcagga ctaaccngt ggaggtaccc 60
 attgagtgcc nataccccag gcaggncan gcgagcann accctatcca ncccacctgg 120
 gttnccttca gagcnnitga gcantcacga ggataaaactg gctttctct 169

<210> 1512
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 1512
 actgagttaa atgagctagt tgtgggagac accagcggga aactgtccgt gtataagaat 60
 gacgacagcc ggccatggct tacctgcttc ccaaactatga ctgcctgtcg gaaactagat 120
 gtcacagtt tgtcttacat gatggtgcac cagtgtactc ccagttcttg agagaaagat 180
 catgagtcca aagccagcca aggctccata gcaagtttga gaccagcgtg ggtcacattt 240
 ggagatctga tctcaaataa aacaaaa 267

<210> 1513
 <211> 214
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 35, 41, 62
 <223> n = A,T,C or G

<400> 1513
 gatttgccctg ctctatgcac cactgtgngc ctggngcctg nggaggctgg aggacggcat 60
 gngtcctctg gcactgtgac agctgtgagc tacagtgccg tgctgggatt gaacctcagt 120
 cttttagaag agcagccagt gctattgacc actgaactat ctctctagcc ctcttaaaat 180
 aaatttcttc atgattttatc cgtaaaaaaa aaaa 214

<210> 1514
 <211> 271
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 29, 43, 46, 47, 62, 67, 100, 125, 126, 129, 230, 231, 237
 <223> n = A,T,C or G

<400> 1514

- REPLACEMENT COPY -

```
gcctaacagt gtcagatgcc cagcngaang cacaaacctt tgnggnnggt gctatcactg 60
antaacnatg ccaccatatg gaaacgcctc cagcccttgn ggaccaagaa agggcaggaa 120
actgnnganc ctttcagctg gacccctgct gcccgctctg catgtgcccc ttaaactgct 180
ctttggctgt gagcttgagg ctgtcctaca agatcacctg tataaccan ncttcanatg 240
catctgcctg atgaggccac agcctctggg a 271
```

<210> 1515

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 76, 94, 95, 111, 114, 136, 143, 155, 170, 192, 280, 314, 354, 356, 424

<223> n = A,T,C or G

<400> 1515

```
ctccttggct ccagagatgg ccnaacaaac ggagcctgcg gtgattactc cagccatgct 60
ggaggaggag gaacanctcg aggctgcggg actnnaataa caaccgagtg nttntggaga 120
tccattccct catgngcac cantgtttcc acagngaata ttttgacagn ctgctgcatg 180
cttgcaaacc gngtcacttg cgatgttcca accctcctgc aacctgtcag ccttactgtg 240
atccaagcgt gaccagttca gtgaaagga cgtacacggn gctctggatc ttcttggggc 300
tgaccttggc cctntttttg gcacttttca caatctcatt ttttgtgagg aaanangaac 360
ccccgaaggc ccttgaaggg acaaagcctt aaaagcccc aagtcaggct ttgacgggat 420
cggnttcagc ttggacaagg ccgacaccg agcttgacta 460
```

<210> 1516

<211> 298

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 34, 71, 76, 77, 79, 80, 88, 89, 97, 99, 100, 102, 103, 117, 122, 128, 145, 153, 230, 238, 239, 263

<223> n = A,T,C or G

<400> 1516

```
tctttccaac gagcgnctcc catacaatga caanacattc ctcaacctca tggacctttt 60
aaataaaaaat ntttannann gtgaacannt atataannann cnatgtaca acctatngcc 120
cncgatcntg aagtacatac ctggnaagca tanagaattc tcaaaaaggc ttggtggtgt 180
taaaaacttc atcctagaaa aagtgaagga gcaccaggag tccctggacn ggggggggnc 240
ctcgggatta catcgactgt ttntcagca agatccgagg aggtatagga cttggggg 298
```

<210> 1517

<211> 102

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 84

<223> n = A,T,C or G

<400> 1517

```
ggcaagtctc gaaattcgat atcaagctga tccggaaccc ttaatataac ttcgtataat 60
gtatgctata cgaagttatt aggnccctcg acaaaaaaaaa aa 102
```

<210> 1518

<211> 200

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<212> DNA
<213> Mus musculus

```
<400> 1518
aaccattcct ggaagaatga agatgtcttt gaagctatgg gccccgtcct cttccagtct 60
agctgcctct atgctgcaaa tgccaggaat cttgagagct gccaatgttc agtcatcttc 120
accctggcct ccttttctaag tctgtcccca ggggtggaaa gtggagatct gccttagctt 180
tgatgtgaa gaaaaaaaaa                200
```

<210> 1519
<211> 663
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 455, 561, 569, 583, 604, 610, 614, 647
<223> n = A,T,C or G

```
<400> 1519
gatattgtga aactatctgg ttaaagtaaa acagaataga agaaccagag tcactgtctc 60
acttcccagg aagagtccag ctgctgaccg tatccacccc caccctactc aggcgcttc 120
cttctctctc ttctcaaacc gtgcttctag actccagccg ctacatctcc cttctgcgaa 180
gctcagaaag atgccacaca tccccctggc tcttaccacg tgcttctctt tataagaacc 240
ctggctctca gcaactgagca gcacccgctc gtctgtccgt ccgttcttca gccttcacag 300
gtggctctct ctccggtcca ttccagcagg acaggtcctc ctcagaaagc aacgctggct 360
cacggaggcc acagctgcct gtgctaagtc ctccctatgc cagttccagc caagctccag 420
ctgtctagca cctctgcac caaagttcca ctgttctatc ttctcttgc ttttaacatc 480
tacaccaatt aggtcttctc gtcttgacac acccttcact gacaactcgg ggactacaat 540
caccactaca cactggaagt ntgatattnt cttctctcca ttngttacct acttcaacag 600
accngaatgn cttnttggga gccagggatc caaccagaga cttggantct ccatatcccc 660
tgg                                     663
```

<210> 1520
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 357, 390, 399
<223> n = A,T,C or G

```
<400> 1520
agggtatatg agaaatcggt acttctatct ggccttcatc agctgacttt tgaaaatcct 60
catgagatgt gtttccttaa tgcggttcta tttggcatct gtcttaattc cttaatttca 120
actgcccacc cactcaacca agctgttggt ggtggccagt ttctctccat cattagtgat 180
gtgtagtctc tcagagactg attactgact cctgtttaac ctctactgcc agaaaaatgt 240
taccttatct tttcttaatt tgccttgctt tttattaaat gaataagtag agaaatgtta 300
gtaaaatggt aaaagggaat cacgtgacat tcagggtagg aagagcttgg atgctgnaaa 360
atggatggct ctctaacttt ttttttttcn gactgattnt tacagcaggt ttaggtat 418
```

<210> 1521
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 379, 388, 393, 398, 402, 407, 411, 426
<223> n = A,T,C or G

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```
<400> 1521
actgaggaca gctcgggaac cacgtggtct aagcccgtgg tgcagttcac tatcacggac 60
aacagagggc gctttaccct taggaaggca gagccagttc ctgtacccca gtagccctta 120
cagagaccgc acaggaggcc tggatggagt cttccattgg gaactgcagg ggaaaccatg 180
ccctggctgc ggaaggctcc ggctgatgct ggacagagag aaggagtatc tttgctgaga 240
caagccatgc tccttcctgc tgatgatcca gtcaccgggg gtggttggaa gatgctgtcc 300
ttggcctgag cagcccacaa cctcatctgt tccccagac attcagggat ccacttacca 360
atatgacttt cccaatgtng aacatgcnta canggcanca anctttnagg nttacggctc 420
ctgganaatg gggttatcct gaa                                     443
```

```
<210> 1522
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27
<223> n = A,T,C or G
```

```
<400> 1522
gagccacacc cagcacaggc ccaagcncaa acacaacatc acatgaacga ggacagtgag 60
tcacttggga tatggagaga cgcaagagga tcataagttt gaggccaccc tcaggaacac 120
agcaagtctg agggcagccc gagccacaca cgcttcttac caagaaagga tgaagccaat 180
gttcccactc tatcctaaaa taggctgcca agcacaccca agaattgtgtc ctgtgacccc 240
acactagaag accttgacac tcagtatgat cgcacacga agcctgatct atacccaagg 300
gtgggaaccg catcactgtg gtctctaccc atcatggaga ccctctcact cactcactcg 360
cccactcact cacagtgtga ccttggaag ccactgaact gatctagtct ctctcccata 420
aaatggacta atggttgcac ctcccccgag agcttggcag aagggttaaa attaatatgt 480
actgaatgct attgattata taaaggtatt atatgtgaa                                     519
```

```
<210> 1523
<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 42
<223> n = A,T,C or G
```

```
<400> 1523
ctgagaactt taaaggtgga gagggaggag acagtagcta angatccagg actacaaagc 60
tggctattca tcattcctga cagagaaatt taaagaagag aaacaaacaa acaaaaaa 117
```

```
<210> 1524
<211> 247
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 62, 73, 79, 101, 108, 124, 129, 142, 144, 145, 155, 175,
177, 182, 221, 230, 231
<223> n = A,T,C or G
```

```
<400> 1524
gctctgaaaa agacacctta ccacccacct cctactcctc aggcttatca aagacagccc 60
anctgagggc ttngcttgnt ccctcacacc tagaggggac ngactgcnaag atggagctga 120
ctcncttanc tcgcaaggct cnanngcgca gtggnntgtc aaaccttcca ctttncnaga 180
anggggaaga aagggatctg tgtgcggaaa ataggaaaca ngctcttaga naagggaac 240
```

- REPLACEMENT COPY -

ttgcacc

247

<210> 1525

<211> 201

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23

<223> n = A,T,C or G

<400> 1525

```
cacatcatcg tatctgtggc tgntgggac tctctgagca caatggaggg gctgttacc 60
ccgaacacac gagtattgag agtctctccc aatctaccct gcgttggtcca ggagggggcc 120
atgggtgatgg cccggggcca ccatgctggg aacgatgacg cagagctcct acagaacttg 180
ctggaaacct gtgggcagtg c                                     201
```

<210> 1526

<211> 309

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 46, 72, 78, 98, 112, 170, 177, 187, 195, 201, 239, 255, 267, 268, 279, 293

<223> n = A,T,C or G

<400> 1526

```
gtgaaagaac gaggtgtctc tgaatccacc tgcccctcgc cacatnagga ggggaatccc 60
ctcctgaaac antaccangg acccaccggg gacttcanta gccacattcc cnaaaggaat 120
ctgtcatgtg aatatcaggg agggactttt ctacgccctg gtgacttttn acgttgngaa 180
gcccggntct ttgcnagctg ngatgaaaat ggacttgagg ttaatgggcc tctaggggnt 240
gggacctgtt taacnacacc ttcccannga aatttttana ggggtccccc tgnttttctc 300
ttttcetta                                     309
```

<210> 1527

<211> 201

<212> DNA

<213> Mus musculus

<400> 1527

```
acactgagaa gtgaagccct tccgggtcct atgccggtct ccacggtttt tttccgggtg 60
atgaaggcgg gtgccccgga tgtaataccg gcgaaagcat ctttcctttt cttccccgcc 120
tgaccctggg ttcctagctg gaggaaatcc acagccaatc atgccaaga ggaaagtggg 180
acttgatctc tgaactctgg a                                     201
```

<210> 1528

<211> 146

<212> DNA

<213> Mus musculus

<400> 1528

```
actgagtggg gggatcagca agttgatttc tatactgctt tcttacatca tttggcacia 60
ttaagtgccg gaaatttatt ttgctgagat ggaccagat ttggaaaagc aagaagagag 120
tgtacttggg aagatcaaaa aaaaaa                                     146
```

<210> 1529

<211> 111

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 36, 39, 51, 52, 53

<223> n = A,T,C or G

<400> 1529

```
tgccctagct tggttcccta ntttctcctc cacagncana gtttaggaaga nnnгааагаа 60
gctgttacac gaagtataaa ccgcggggcga caccacagcg aaaaaaaaaa a 111
```

<210> 1530

<211> 206

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 29, 31, 34, 35, 38, 59, 63, 67, 77, 80, 88, 101, 106, 145, 146, 159, 160

<223> n = A,T,C or G

<400> 1530

```
gggtttgggc tgaagtanac cctggggcana ngcnntantt acttattgcg gaactctcna 60
ggncggnacag gaaaaantgn aaacaaaanta aggccagggg ngggcncctt gagaaacctc 120
attttgggaa agtgaaatac tttgnnaatt aacatgcann tgggttcaata aagacttttg 180
gaaagtgtcc cccccaaaaa aaaaaa 206
```

<210> 1531

<211> 190

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 43, 50, 54, 61, 125, 133, 154, 167

<223> n = A,T,C or G

<400> 1531

```
cataagactt ccgtgnagct agaagccttc agagggatat ctncctagatn cgcnaagccat 60
naggacagac cacaattgga gattcgctaa cgctcttgcg ataaggactc ccctgtgtat 120
gacgnatgac tancgtgtta tgatgagatg cagnaaaaga gggcagnaaa caacccccggg 180
ctgcttccgg 190
```

<210> 1532

<211> 292

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 68, 82, 87, 99, 155, 158, 191, 193, 195, 199, 209, 216, 224, 228, 236, 240, 241, 243, 252, 253, 255, 257, 269

<223> n = A,T,C or G

<400> 1532

```
cgccaggacc accgcagtc anaagcctcc gctgggggct gccatcttgc ttccggggca 60
atgcgcangc gctcgcgaa gnggagngac acgcgcggna cacggtcagc gccgaacggt 120
gacaacgtcg ccccgcccga tttggctgcc atggngngnc gggactcgac ttggcacagt 180
gatgcactac ncntncctnt gaatgactnc ttgctnaagc ctgnatgngg acttncatn 240
ngngctggaa cnnngangaa ttgcatacnc attgaacaca cattccacac gt 292
```

- REPLACEMENT COPY -

<210> 1533
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 46, 48, 54, 69, 70, 72, 73, 99, 101, 103, 108, 112, 123,
125, 127, 132, 142, 145, 148, 178, 184, 185, 188, 215, 232,
236, 248, 250, 253, 299, 309, 310, 329, 336, 340, 366, 367,
371, 386
<223> n = A,T,C or G

<400> 1533
cttttttttc ttaggggggt ttccctngcc tccgatcctg agtgantntt ttcntgttgt 60
ctgtaagcnn cmnaccgacg aagagactac gtggagacnt ncnagaantg gnctgctggc 120
canancnggc ancattccat tncgnaanaa caccaaccag gctcttttcg gtttaccnga 180
ggannctnct atcacagacg agggctcgacc ctgtnagtgt gaggcaaaag tngatncatc 240
cgggggccngn gcnggagcaa aggcctgacc tcagaaggac ctggccacga aaatcattna 300
taagccgcnn gtcctccgca cacttatana aagtngnacn gggccatgtc cgaataacca 360
ggcttnnggc ncaaaacttg agaaanccct tctggctctc aaagctccgg gg 412

<210> 1534
<211> 122
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 34, 54, 81
<223> n = A,T,C or G

<400> 1534
tgccggagag ataccgacga ggaacgaaga ctgnttccat tctcatcccc atgnttagct 60
gacacacttg agccctcacg ngtgctgtaa tgtcttatta aagaagatgt taaaacgaac 120
aa

<210> 1535
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 26, 35, 42, 43, 50, 57, 59, 71, 207
<223> n = A,T,C or G

<400> 1535
ctaaaggaac atatantact atgganatga ccatncatgg gnngcatacn ttccttnana 60
gggaggcgcc ngcaactgac atagccaaga ggatgaagtc agaataccag aactgtgctg 120
agtgtggaac tctggtttgc ctcaagtaca tgaggcgca cataaggacc tgtgagaagt 180
acatcgataa atatggcccc ctgctanaac ttggcgacac cacagcaaga tgtgtatgtc 240
cattttgtca gcgggaactg gatgaagact gcttgctgga tcattgcatt atccaccaca 300
gatcagaaaag gaggccccgtg ttctgtccac ttgcccattc acgacctgat gaaagcccaa 360
gtaccttcaa tggcagttta attagacatt tgcaagtcag tcacactttg ttttatgatg 420
atttcataga ttttgatata attgaggaag ccattattcg cagagtgtga gaccgctcac 480
ttcttgaata tgtgaatcag tcaaacacca cataatttta tgactag 527

<210> 1536
<211> 378
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 62, 69, 75, 86, 99, 101, 105, 110, 129, 137, 147, 148, 154,
155, 161, 166, 173, 179, 183, 191, 193, 199, 213, 219, 228,
229, 238, 243, 244, 250, 251, 252, 258, 259, 261, 274

<223> n = A,T,C or G

<400> 1536
gtgggggagcg tggcttcttc tacacaccca tgtcccgccg cgaagtggag gacccacaag 60
gnagtggcnt ggaanctaga atcccnccaa ggccacgcnt nccentttgn tgttcgagat 120
caaactgtnt aagattnttc aaggtgnngt tganntccct nacatncgaa tgngctggnc 180
tanaccaacc ncctgggtnc ctggacctta canatcacnc tgcctctnnt tcctctgngc 240
tgnaaacaan nnttggannc ncccctggct ccncacccc caccaccca atcttaaaag 300
aattgtcttc aacctaatac ttttaaaaac attttttaaa aaagaaacgt ttaataaaag 360
ctgttgggag ataaatac 378

<210> 1537

<211> 374

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 31, 38, 59, 69, 85, 103, 111, 125, 144, 147, 148, 151,
161, 163, 177, 178, 179, 182, 184, 207, 231, 233, 242, 248,
249, 266, 272, 276, 278, 279, 280, 282, 285, 286, 295, 319

<223> n = A,T,C or G

<400> 1537
tgaacctgca agagccacac ccngtgcacc nttctacnag gaccaataga ttattcgcna 60
gccaataana ctcccctccc ccttncttca taactaatcg tcnccaccaa naaaattttg 120
accnttgat caccacaaag atcnggnnca nataagccta ncncacagtg atcaaannt 180
anancccata actaatcgtc caccantcc ttgacagttc caatgctgtt nangaggaag 240
gngaaatnnc tcccgaagct tgcatnccct tntgcntnnn anctnnacta agganggata 300
accttattct caacaatgnc aggggcattt ttggaatcaa ccaaagccag ggacatccct 360
gttggacatt tgat 374

<210> 1538

<211> 176

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 25, 38, 42, 47, 75, 91, 112, 115, 119, 123, 136, 138,
160

<223> n = A,T,C or G

<400> 1538
acacctctac caaactcaaa taannaaacc ttcatacanct tnactgnatt tacaatgtcc 60
tgggatatgc aattntaatc acatccataa nactttttcc acaaattaat tnaanatgna 120
atnccccccc caaatntntc ttacatcatc cttcaattn acacccaaag ataaaa 176

<210> 1539

<211> 471

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 49, 68, 69, 75, 79, 86, 203, 205, 216, 226, 342, 429
 <223> n = A,T,C or G

<400> 1539
 ccggaagaaa aggactgacc catgtaagct gaaactgggt ggacccatna gtcacgaggg 60
 gggggggmnt tcgggntang aacacnatgg agaaatactt taaggagtgg agactggaag 120
 ccggatactg atgctgtcac agacgtctgc tgagttccgt acagcaggcg gcgataatga 180
 aatctaaatt gatgtgaggt acngnccatg agaggnacag cctcangact gcgctcctcc 240
 ctgcgtttga acagtgtac acccaagggt ctgggtgcct tcagaccccc cagtgtaccac 300
 tgagaggagc tcttcccagt ccttttact ctgaatctcg tncccatggg ttaacgggtca 360
 tctgccggca accatggata ccagacacca agcattatct atgtagtaat gaaacaaacc 420
 ttttatatna tatgtattct taaataaaat ttaatataga acttaaaaaa a 471

<210> 1540
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 70, 74
 <223> n = A,T,C or G

<400> 1540
 gctgataggc aaagctggcc tcaaagctgt gaccctcttt ctccagcctc tgatgctggg 60
 gctacagatn gggngctctcc acattgtcca gacattttca cagtcttggt tagcttcttc 120
 agtagctgag agtaagattt atgacattca aaaccacaga ctttacaata ctgctaagtc 180
 agatcaacta tgaattggaa taaaaacaa gagaatgttc ccaaaccccc accatattct 240
 aaaaccagc catctatctt gcagcatttt ttaatgactt ctacaacatc tcaaagttct 300
 ttcaactatt ctccccataa ccaagaagca tctcaaactt ctttcaacta ttctctccat 360
 aaccaagaag catgcatgta ttctgggaat tcaaattcag tttcacagcc acttctgagc 420
 ggcagaaatt atataactcc tcagactc 448

<210> 1541
 <211> 485
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18
 <223> n = A,T,C or G

<400> 1541
 gaactgagag atcctgtnta tttcgacgat aattggctaa acagcaatca aaactgaagt 60
 aggagacaat tggagggttaa agatcagcaa ttttaaagaa attttaaaag gcatcttgga 120
 ttacaatcat gagatttttag gacagcagat taatgatttc acccttcctg acgtgaacct 180
 cattggggag cattcggatg cagcagagct cggaaggatg ctgcagctca ttctaggctg 240
 tgcgtgaac tgtgagcaga agcaagagta cattcaagcc attatgatga tggaggaatc 300
 tgttcagcat gtcgtcatga cagccattca agaggatatgt tgattagagc tttgcaacta 360
 acagcttgta acaaattagt ggagaaaact agttctcaca agagaaatgg caaccttaaa 420
 aaattatttt attgtctata cctatatcct aattaagttt ttaagttcac tgtgaaaaaa 480
 aaaaa 485

<210> 1542
 <211> 155
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 18, 36, 42, 43, 48, 53, 58, 66, 73, 102, 129
 <223> n = A,T,C or G

<400> 1542
 tttttggaga tcgcctancc ccttttttag gggttntgcc cnncccnac canatatntg 60
 gagtcnacgc ccnaagattg atgagtttgc cttggggagtc angagaaaag gtgaaataag 120
 aggccaccnt gggccaagaa ggtcaaaaaa aaaaa 155

<210> 1543
 <211> 368
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 84
 <223> n = A,T,C or G

<400> 1543
 aactgagcct cacaatgttg ctctgactgg ctgaagcaac gtatgcgaga agctgggagtc 60
 tttcttaacc cacaccagag acangtgctc gcaaagacat acctgaagtc attcaccaac 120
 aaaactggga agcatgtaaa aacaaagcag ttgcttggtt ctaaatacca gaatgcaatt 180
 ctttcaagca tctagatgga gcccatgagc tccaagcaga gcagtaaatg acacaacctc 240
 ggggttcgac gtgtgataag gtatcctgta actactcttt gtaccgctgg gatctaccct 300
 gcttcactgg atgacatgca gccttttctc ttagcaaccg catgaataaa catccaagag 360
 aaaaaaaaa 368

<210> 1544
 <211> 147
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 36, 53, 61, 66, 73, 78, 81, 95, 125, 130
 <223> n = A,T,C or G

<400> 1544
 ctgagttgga acatctggaa gcaacggttg gcccanttca gagcaagcac tanaatagga 60
 nagaantagg aanggacnaa naaggaacct gatcncaatt aaggaagctg ctgtttctgt 120
 acaanaagan tctgatcttg aaaaacc 147

<210> 1545
 <211> 231
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 26, 44, 59, 64, 69, 94, 99, 120, 124, 142, 149, 158, 169,
 185, 193, 202, 212
 <223> n = A,T,C or G

<400> 1545
 ggaatcgaac gcccgagac tcttttnagga atggatttct tagnatggcc aacgtggant 60
 tganttcnt ggcccggtt cccagcttga attnactcng gaagtggaa cttctgactn 120
 tatntttctg gaggcttgga antcctgna cacaaatntc ccaatcttng ctacctcaat 180
 ctgantggaa acnatatata anatctcatc tncagtacta agcgctgcgt a 231

<210> 1546

- REPLACEMENT COPY -

<211> 243
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 60, 80, 152, 163
<223> n = A,T,C or G

<400> 1546
aaatggttaa gcagcgcctgg cagagtggcg gcggtcagaa ggcttgccctt cggaatgcan 60
atctgttacg gactagggan ccaggccctt gagcttgctc ttgggaactcc atctcttctt 120
ccttccctcg gcttaccag gctgttttga tntttcagtg cantgttgaa tgtctcattg 180
ttttgctgct ctgctattta acacaatgtg tttttttttt ttatttttat aactaaaaaa 240
aaa 243

<210> 1547
<211> 205
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 29, 30, 49, 76, 77, 83, 124, 126, 129, 139, 153, 156
<223> n = A,T,C or G

<400> 1547
cattgacacc acttctaaat ttggccacnn attttttcag acagcacang agaaaagggc 60
cttctctgggt ccccanagg aancatctgg agaaagaaaa tccggagacc ttgggaaaca 120
tgtnanatnt ctggaatgna cacacctggg atntancact cttgctatct gtccggctct 180
ttttgttcaa taaagtctta aggca 205

<210> 1548
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 143, 233, 354, 376, 413, 421, 423, 429, 435, 443, 444, 448,
453, 455, 474, 475, 478
<223> n = A,T,C or G

<400> 1548
tgaactggtg gcagaaaact gaaggaggat acaggaagat gggaaggaac tactgagctg 60
caccatgctg gccgtcctgt cccctgtgct gaaggacacc tgcacacac ctgcacaggg 120
aggggacagc agcctgaact tanccctgat gctgggctgt gtgaagtggc taatatgcag 180
caggcacacc aaggctctacc tctgtgggaa aagtggctga ggctctctct cantacctct 240
ttccctgggtg cctctcactc ggaccctccc agggccgcac acaccctcca gctgtttcat 300
cactttgctc aggaacctca gctgcctttg aacgttatcc ctaaaaatca ccanttttcc 360
acatgacatt cacagntagg tgccagtcac ttctaaccac agggacccta ttntgggggg 420
ntngcttant gtctntggcc agnnatgncc atngntggga accatgctga aggnnagngg 480
ggggtggggg aattagggc 499

<210> 1549
<211> 259
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 29, 34, 56, 58, 62, 64, 68, 69, 75, 81, 98, 103, 130, 139,
173, 190, 203, 205, 209, 212, 218
<223> n = A,T,C or G

<400> 1549
tggccatgag ccattttgag cccagtgant acgncccatg tgaactgcta tcagantnat 60
cntngccnnt gtcctntaaac ngtaggggttg tgggggagnct aangtgacaa ctgatacctgc 120
ttccctttcn ggaagccang gtccctgcag aagaaaatct tgtgttggtat ctntctgtccc 180
atatccgcgn gagtaacatt agnanaagna cngggacngt gtcccatgcc tgcgggtccta 240
acacttgaga ggtggagga 259

<210> 1550
<211> 301
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 27, 105, 109, 175, 227
<223> n = A,T,C or G

<400> 1550
cctgggatag ggtattgact ctgtaanaaa ggcactaatg gttacttcca cttccgggtgt 60
cgctctgtct tccactcata ggtaaagggc ctagtataag ccggnaagna tccagggcac 120
atcgggtgggt atgctgtaca gtgtgtgggg tactgcccac cttttccacg taagnagtaa 180
acacacccaaa gaacttcttg tgggtgttccg gctcgggtgc ttcttgntgc ttcagcggac 240
ttgtgcgatt ggacagagcc tcttggtttc ttctggatcg agccactgct gctgagtttg 300
t 301

<210> 1551
<211> 229
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 53, 67, 69, 72, 134, 140, 150, 209
<223> n = A,T,C or G

<400> 1551
tatcattacc ggatccatct atttgaatac tacagcttcc ttaaaaaattg canaaaagggg 60
tctgganana tnactcggcc cccaagcact ggctactctt ctaaaggacc caggttcgat 120
accattact cacntggaan ctcacatttn tctgttactc cgttctaaat ctgaattcct 180
ctctgacctc tttgggcact gcacacacnt ggacaaaaaca cctaaatgc 229

<210> 1552
<211> 149
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 64, 78, 97
<223> n = A,T,C or G

<400> 1552
ctggaagaca accgggattg gtatgacaat cgccatccgc cagagatcct cccacccct 60
gaanccagtg acctatnac atgcatcaca gatccgngcc ctgactgaca agttccaatt 120
tgagctcacc ttgttaggaag aggattgaa 149

<210> 1553

- REPLACEMENT COPY -

<211> 114
<212> DNA
<213> Mus musculus

<400> 1553
gaactgaggt tgctattaaa atcatagata agagccagct ggatgaagaa aacttgaaga 60
agattttccg ggagggttcag ataatagaaga tgcttttgcca tccacacatc atca 114

<210> 1554
<211> 223
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 39, 50, 79, 81, 93, 104, 108, 111, 138, 158, 170, 173,
182, 183, 189, 191, 202
<223> n = A,T,C or G

<400> 1554
ggcaatcctt tccttnactc ggaagtgaag atactcgtnt ttgatgcctn cttgggtcccc 60
tccggctacc atgctttgnt ntcagaataa gancgacgac ccanaatnct nctttccctt 120
ttgaatttac taaagtgnat ttttctatga aaagaacntt gaaagacaan aangaaacgg 180
annngtacna ntcgctacga anatcttaag ccatgaatga gtg 223

<210> 1555
<211> 178
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 23, 25
<223> n = A,T,C or G

<400> 1555
actgaggcag gagganggcg agntncaggc cagacaaggc tacatagcag gaccttgcct 60
caacaaaagt gaaaaccaca tttctgaagc ccttgaagct gacgctccct catcctgtaa 120
agtattccca gtcaggcacc gctgctgtca atcaagaatt gaaactgaaa aaaaaaaaa 178

<210> 1556
<211> 319
<212> DNA
<213> Mus musculus

<400> 1556
agcagtaaata caagctgggt ttgtgtgcga agagaaaagta ccacttgatc aagctgtcta 60
taaatacagt gtgtcatgac tccaagtaga gaaggagaag cccatggaag ccaatctgca 120
atttggtgaa ctctcttaga aacacagttc tttcaggcag ccgaaggatt atctaattac 180
ccaaacaaca gagacttctc tctgggtccct gaaggaaact cattgggtta aaggtgggtcg 240
gtcattggcc tctctggtct tttgggaaca aaattgtttg ggaaataaag ttgagttgat 300
gtcattttta aaaaaaaaa 319

<210> 1557
<211> 146
<212> DNA
<213> Mus musculus

<400> 1557
gatgaaggaa gaaatttacg gaaaggaaga aatggcggcc acattcacac tgtaagctg 60
aaggaaagat actaactcag tatctcagtc tgccttgagc tcccgcgtgg ctcacagttc 120

- REPLACEMENT COPY -

aagaacataa aggcaaaatt ctaaaa

146

<210> 1558
<211> 195
<212> DNA
<213> Mus musculus

<400> 1558
tgacgggaag cccagcatc aagtgtctgc cgccacttct gctgcctgct gcctgctgcc 60
atgcttcccc gccaggatag actctgacct gcaggaatta tcagcccca aacaaacctt 120
ttctttctata agtcaccttg ttcattgtgtt tatgacaatg ccggaaagggt aataaatacc 180
tcagaaaaaa caaaa 195

<210> 1559
<211> 319
<212> DNA
<213> Mus musculus

<400> 1559
gattttgcag ttgaagggtga tgagggttgga acacctggta catgctgaag gaccagcgga 60
tctgggagct gatgagaact ggacccgagg agcatcagag ctggaggagg cccacccag 120
agtcactcag acctcgatcc tgagcccaac cggagctcct cactgggtcat gcagcctcca 180
tgtgagacgt gaggtgtgga ggccagagca cgctggggcc gcagacgagt ttggacagat 240
ttgagtttgg ttctcccaac cccccaatat cgtgtcatca tcattgattt actgcatttg 300
tgagctcaca aaaaaaaaaa 319

<210> 1560
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 122, 134, 138, 151, 158
<223> n = A,T,C or G

<400> 1560
gcacacctgac actgaagaac aacctgctgg tocagatcaa aagtcaatat atgacaataa 60
aactacagga acaagggtcg gagagtagcc cagccttcaa tcccagcact tgggaggagg 120
gnaagttgat ctgngagntc aaagccaacc nggtcttnat agggggccgaa ctaccccca 180
atta 184

<210> 1561
<211> 386
<212> DNA
<213> Mus musculus

<400> 1561
agctgctgca gtggctagag cagagacatc tcctgcacgc gctgggtggcc gacgtggacc 60
cagcgctaga cccgcagctt cctcggcagg cttctcagcg ccagcgccgc agtgccgcca 120
ccaacgctgt gcaccgctgc tgtcttactg gctgcaccca gcaagacctg ttgggtctgt 180
gtccccactg aaggagcaca gggctcaggc ggtgcgtcct taattgctcc ccacctcctg 240
gctatgtcat tgcaacaacc cagtttgctt tggaggatcc ctagtatttatt catagatcgc 300
agtaagcaag gaccacaggc cctgtcccca agaagcccca tcatgacctg tgccccctc 360
ctccctgtgt cccaaacagt ctaaat 386

<210> 1562
<211> 148
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 29, 37, 40, 50, 52, 56, 63
<223> n = A,T,C or G

<400> 1562
tcaggggggca cagagactca accagtacna aagaatncan aggtgatggn cntgtntccc 60
tcnagagaag atgactacat tataaaactcc cttttcaacc ccaacacca ctatatattt 120
ttaatatata gaaaaaaaaaag ctaaaaaaa 148

<210> 1563
<211> 300
<212> DNA
<213> Mus musculus

<400> 1563
gacctgaaaa gcttcctttc ttcaggcgcc agaggatcaa gagaatgcag catcccaagc 60
ctcctcctgc tgggtgctctg cctcctcctg caggggtgtgg ctggtaaggg ctgagggtcc 120
taagtgcgat gatagactct cctcctgagc tgtcaccctt gattacacca cagtgtgcca 180
gcaagaaaagc tgggtgggtgg gcactctgact tgggtgtgtg tcctgtaaat aacagattca 240
ctggaatatg ctggattctc atgctgtaca ataaagaggc ttaatggtga aaaaaaaaaa 300

<210> 1564
<211> 269
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 36, 48
<223> n = A,T,C or G

<400> 1564
tgtatagccc tcgctgttna ggaactcact ttgtantctc agcactantt agcagaaggg 60
accaggagga acacaagcag aagttctcag ctgtacctct catgaggaag tgaagatcag 120
cgaagagtgg atactaacia gcattgctca gccggctatc ccagcaagca agctcagcct 180
ctgtttattgt ctgttgagtc ctttgagttt tttgggtgtat ttctctctat ggagtcctga 240
caaatgtagc ccaactacaa aatataagg 269

<210> 1565
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 50, 129
<223> n = A,T,C or G

<400> 1565
cccttgctca ggatgnttga ccgcagcatc aggagagtaa aggacagcan ggaaagtgc 60
taatcctgca cagaacccag gacccagatc tcccgggctc agcatctctt cctgtcagtt 120
ctgaacggnc tcagtcaaga gcagaactct aggcagtgtc ccatggaaga atccatcaca 180
tttcagccaa agcatcgaga tttgtcttct ttttctatca agctttcctc aggtatttct 240
gtgtgggcaa ttaatttctt taccatcctt caataaatat ctaacaataa agatgatcaa 300
aaagtgaag ta 312

<210> 1566
<211> 362
<212> DNA

```

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 31, 40, 46, 54, 68, 70, 72, 73, 78, 82, 103, 104, 105,
119, 138, 142, 149, 155, 158, 159, 174, 177, 184, 187, 203,
224, 226, 236, 295, 296

<223> n = A,T,C or G

<400> 1566

```
gcccttgctc agtgcttgnc tgagtgcacc naaaatgtgn cgtggngacg catnagggtg 60
ccttgctntn tnncttnaa anctacacac cgactttgga tgnnncttct gagacatcnt 120
cgtgaggaca cctgagtnnt gnctcctntt ggttntgnna atggtcattg aacntantgc 180
tggncantga caagcatgca gcncatgatcc tctgtggact catngntatt ggcagnctga 240
caggatgtgg aatcacccat gagacacatt atcaggtgtg cctgtgaaac acgtnnccca 300
agagattacc tgtgacagga attcccagct ggaatgggtg gtggcaccgg ttggccctgg 360
ga 362
```

<210> 1567

<211> 314

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 86, 93

<223> n = A,T,C or G

<400> 1567

```
gccagagcct gggccagagg cctgcaaagc cctgtgtggt ggaaccggag gtacttcatt 60
taagaggacg cctgtccagg acccgntggt canatgtcct ttgccataat gttaaccttg 120
gaacagcctt gcctgtggag aagccggctt gaccatgatg ccaagttcca gatctttttg 180
tgccaggaca ggtggggagg ggggttttacc agtgtttctta actatactgt gattttttatt 240
attgccatgt ccagcttttta agtgggggtt taacgggttt ataataaata aaagtttcag 300
gcagaaaaaa aaaa 314
```

<210> 1568

<211> 226

<212> DNA

<213> Mus musculus

<400> 1568

```
acggcagacc tctggctcct ggccacaact catcccagac tcaaagcagg agggggacctc 60
tagctcccc aaaccatctc tactcacccc aggaacttccc tccccagcaa cctttgcctt 120
gtccactcct aataccagtt tgcttccaac acgttcccca gagctttcag gcagcccaac 180
accacactcc cctgaagggc taacctctgc ctctctatg ctatca 226
```

<210> 1569

<211> 209

<212> DNA

<213> Mus musculus

<400> 1569

```
gaggccaac agaacacgag agagaatact gcatgtgtac atcactggaa caagaatctg 60
ttcgggtttc cctgggaatc cagagtgtac agcctccgaa gaaccaatgc tatgcaacag 120
gcagttcaca gtcgagtga catcaatgtg gaatgagtgg aggcatattca atgcaataa 180
atgctgaata tgaaggatta aaaaaaaaaa 209
```

<210> 1570

<211> 365

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 152

<223> n = A,T,C or G

<400> 1570

```

gggagactcg ggcggcccct tgatctgcaa tggcattctt catggagtgg actccttcgt 60
gatccgcgaa tgcgcctccc tccagttccc tgatttcttc gcccggtgt ccatgtatgt 120
ggactggatt caaaacgtgc tgcggggcgc anagccctga ggtgcccttc tgcgctccag 180
gcagcctaaa gctggggcga ccagcaggct ctagtgggaa aaaaatggag tgggggtggac 240
tagacctttc caggcttttc tttcacccac gcacccaccc acgcagcacc ccctggagtg 300
gagtcagctc tgttccctat tccatatgac ctcaataaaa actgagacat atttaaaaaa 360
aaaaa                                           365

```

<210> 1571

<211> 237

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 31, 39, 40, 54, 57, 59, 75, 81, 88, 105, 115, 125, 126, 127, 130, 134, 135, 137, 138, 142, 146, 148

<223> n = A,T,C or G

<400> 1571

```

aggaacctgt cttattgnga ccaactgaatg ntacggccnn aattgggccc cgantcnent 60
cgattatgga ctgcnttcag naatacantg ctttggacct tctnngtgat attanaaaag 120
tttgnnntgn tcgncnnta cngatnanaa atacttgtac ttcccctttt gcttggtgcat 180
ttaagccttg agcctttctc aatacagcgg gaccttcttg ccactcaaaa aaaaaaa 237

```

<210> 1572

<211> 152

<212> DNA

<213> Mus musculus

<400> 1572

```

gccaggcctg ccaacctgag ttcaatagca gaaccacac agtagcaaaa gaaccaactc 60
tgacctcccc tctccccctc ccctctcctt cccctctcca gtagtcaact cagagacacc 120
caaaataaaa aattttaaatg taaaaaaaaa aa                                           152

```

<210> 1573

<211> 364

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 255, 265, 281

<223> n = A,T,C or G

<400> 1573

```

gcaagctcct ggagagccag cccccgcccc tgcccccgcc ccatctcacc ccagtactcc 60
ctctctcttc tctactatgg acagagaata cactgaggag cctgctacac acccagctga 120
tctggggacc agcggagcca tgaggctggg ttcagcaatt ctcggtttac tctgctcca 180
aggctacagc tctcaacctc cgacaactca gacctcgag gaaattctac agaagtcttc 240
tcaggctctc ttggnatcca atcancctgt gacaccaagg ncaagcacca tggataaaca 300
gtcccttttc ttgcctgact tgatgtcctt ccagccacag aagcacacac tgggacctgg 360
caca                                           364

```

- REPLACEMENT COPY -

<210> 1574

<211> 350

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 328

<223> n = A,T,C or G

<400> 1574

```
gacgctggtg actgttttgg gctgggcact gtcgtcgaag gtatgttcag ctatgacagc 60
ccaaggacag ctactgagga catttgccctg cttttgaagc tgcacaccgt ttctgaattc 120
tccgcagcgc tgaggcttat ctccgggcgc cacaccgtct tatctgaagt tttcttcctt 180
tcgtcttcct gagaagattt ataaccaga aaagccacgc catgatttct gcttccaaaa 240
ttgtattctg gttgttttat tttgctccct gtcctccgtt ggcttcgagg atgctgttga 300
gcaatctaca aattcccaga gtgtctgnga ctttgtaggc accggggccg 350
```

<210> 1575

<211> 127

<212> DNA

<213> Mus musculus

<400> 1575

```
gatgcctct cttaggttta gaaatcgctg gaataccaaa gagcaaccgc ttcctctggt 60
gggcagctga ttcttatctg tacatgggac agggcggggg ggcagggggg ggggagttaa 120
taataga 127
```

<210> 1576

<211> 193

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 51, 59, 88, 110, 143

<223> n = A,T,C or G

<400> 1576

```
acctgggtaa tgaccactga ctggctcttc ctaagggggc tgtacttaaa ntcccaacng 60
ccacatgtat ggggtcacaa ccacctgnga ataagcatct gcacgccctn ttctggtgca 120
tctgtaagga cagctacaga tgntacttat ttataataat aaataaatct tttttttttt 180
ttaaaaaaaaa aaa 193
```

<210> 1577

<211> 185

<212> DNA

<213> Mus musculus

<400> 1577

```
ggtcctctgc tgttttggtg tgacattctc tctcgagtct gacaagctgg actggcctct 60
gtgtttgctt ccctgtctcc acagtatgcg atccaggacc tggaagtatc acaaacgaga 120
accaatcatc ctgtttacat tttggactgt aaataaagga atttttttta atgcaaaaaa 180
aaaaa 185
```

<210> 1578

<211> 186

<212> DNA

<213> Mus musculus

<400> 1578

- REPLACEMENT COPY -

```
gctctgctca taactgtagg caagaacgtg gtgcctcttc actccagaat ggggctggtg 60
aaaggcattt ttcttctcca aaactcattt ctcaagtcaa actataatga gacagcaagc 120
tgtcaccagc agaagagact atgtatgacc tctattaaca aaggtgaatt aactgaaaaa 180
aaaaaa 186
```

<210> 1579

<211> 220

<212> DNA

<213> Mus musculus

<400> 1579

```
gcaaatctgc aggagacaca gcgtgacggc tggactggag gtggcctttc ctgaagacgg 60
cacaggcaga tagtgacaca aacggtcacc cttgaccac ccacagaagc taacatcagc 120
ctggctgtgc tgtgtgcctt caggaagagc acttgacagt gcttaaaact cccgccaatc 180
cactgttgca taaataaaaag tggggccaaa cagaaaaaaa 220
```

<210> 1580

<211> 445

<212> DNA

<213> Mus musculus

<400> 1580

```
agtgtttaa acggaccaac aacttgaaca atgccaagtc tcaaggacaa aaggatgctt 60
taccaaatga agaggggaca gaactccagc ccattgtgag atagggacca agagaacttt 120
gactacctgt gacaccgaga caaagtctac agctgttttc acgtgaacta gagcacggaa 180
gatgttaaaa ctatgtctat atgcatcaat ttaaaaggca caatattggc tgggcacagg 240
gacacacatc tgtaattcaa aactggaaga ggctataagg ctagcctgag ctacatactc 300
agatgtttaa tgctagcctg aatgctacat agagacctca tataaacaaa caaacaaata 360
aggttggctc actggataaa ggtgccagtt gccaacccga ggaactgaat accccaggac 420
ccacatggta aaaggagaga atcag 445
```

<210> 1581

<211> 382

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 118, 190, 308, 327, 356

<223> n = A,T,C or G

<400> 1581

```
actacaaagc aattggcaac gatacggaga ggggacgttt tctgaagtta tgaagatgca 60
gagtctgaga gatgggaatt actatgcgtg caaacaaatg aagcagcact ttgaaagnat 120
tgtgctggaa aaagtagggg ttgaggccaa acagccaaat tctgccatca ggaagtgcgt 180
caggggtgcan ctcatthaaga acgggaagaa gatcacagcg ttcgtgcccc atgatggctg 240
cctgaacttc attgaggaaa atgatgaagt tctggttgct ggatttggtc gaaaagggtca 300
tgctgtangt gatattcctg gagtcnngct ttaagggtgg taaagtagcc catgtntctc 360
tgttggctct atacaaatgg gt 382
```

<210> 1582

<211> 541

<212> DNA

<213> Mus musculus

<400> 1582

```
gcaggtgaca acgctgaatt ggtcctcagg agcggatggt caaggaaccc tgcctatgca 60
ccatgctagc tgccagtcct aggttgggac attccactgg ggacatccat gggagagcta 120
tggccattaa caagtcctga gccctgacct gaagccatca gtggcctagc tgcctacct 180
gactttgtgg cctcccttcc tggatctctc gcttacgaca accgacaaca aagatgtttg 240
actccagaag atgtccccg cggcccacct gagaggactg tccacacccc accccactgc 300
```

- REPLACEMENT COPY -

```

gccctgtgcc atctacctct gagtccccaa cttctcaccc atgtttcaac tcccacccca 360
gagccttgta ttccagatct gagcagccct tgcttaggaa cctgaggtgg ggggtgggta 420
ggcagaccca ggggactgag cagggagggg aaggaggggt ttctgctctt ggctttcaaa 480
gttctcaatg tgtgtagccc tttgaataat aaacatatgt catataatgt aaaaaaaaaa 540
a                                                                                   541

```

```

<210> 1583
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 302
<223> n = A,T,C or G

```

```

<400> 1583
gtggatctac cttaacgatc agaacctatg catccctgcc agctcctcct ttgtctacgg 60
agcgggtcccc ataggagcca gtatttatgt tatcggagac ctggacacag gtaccaacta 120
cgactacgtg cgggagttta agagaagcac gggcacctgg caccacacaa agccactcct 180
gccatctgac cttcggcgca caggctgtgc agccctgcgc atagccaact gcaagctctt 240
ccgcctgcag ctgcaacaag gcttgttccg catccgggtc cattcccctt gaagaggaag 300
angagccaaa agtgagatcc tgcccaagcg catcccgtgg ctggcgggcg caagtgcagt 360
gaagcagccc catctcgctg tgcgctgggc                                     390

```

```

<210> 1584
<211> 106
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 22, 23, 49, 63, 84, 85
<223> n = A,T,C or G

```

```

<400> 1584
gccgcctctt caccacatga gnnttaaaca taaataccct accgattcnc aactgcacct 60
gtngtgcaag tgtgcagccc ttanntcgct ggttctactt cctttt                    106

```

```

<210> 1585
<211> 137
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> 32, 41, 49, 59, 61, 64, 65, 76, 93, 95, 116, 119
<223> n = A,T,C or G

```

```

<400> 1585
gtacgccaca ggggcatttc aaagctcaca anattcttgg ncacgcatnt atgcctgtnt 60
nccnntaaac ctcgtnccagc agaactggag agntnttcag tgccaagaac tttcangtnt 120
ttactttgac cctgaaa                                                    137

```

```

<210> 1586
<211> 385
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

- REPLACEMENT COPY -

<222> 17, 148, 196, 200, 203, 205, 213, 223, 231, 235, 238, 240,
248, 257, 272, 278, 280, 289, 292, 293, 294, 296, 299, 317,
319, 325, 332, 334, 335, 357, 359, 363
<223> n = A,T,C or G

<400> 1586
tgagaaggga ggcggangtc tgacaagatg taccagggtcc cactgacatt ggaccgggat 60
gggaccctag tccggctccg cttcactatg gtggccctga tcactgtctg ctgtccactt 120
gtcgccttct tcttctgcat cctgtggnc cgtctctttc acttcaagga gacaacatct 180
acacactgtg gggtanggn tgnanggcac tgnccgatca tcntgacaga ngagncancn 240
ctcatggnc actgggnggg ggcgggctat tngtaaancn agggctcang annnangtnc 300
cttttacct ctatganana tatanggcct gngnntacta aagctgggca aaccccnana 360
ctnagaacct tggccagcta taaaa 385

<210> 1587
<211> 251
<212> DNA
<213> Mus musculus

<400> 1587
agactgagag caccgaagta ccatttcaact tccagactgt acctcgttac tcgacaggat 60
ggaaatcaca acttcatcca ctggggctgg aaagcaggcc aagggattac ccccgagcag 120
agagggggag agaagcaagt aagaggtgca cagcccgcaa tccccgtact tgggagatgc 180
atgcagaagg agctcatgtt ccaagccagg atacgacaca gagatcgtga gatgccagga 240
cttgggaaggt g 251

<210> 1588
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 41, 296, 299, 304, 306, 308, 311, 312, 315, 318, 324, 332,
358, 363, 394, 398, 401, 419, 421
<223> n = A,T,C or G

<400> 1588
tggctcctac ctcatcactg gctggttttac ctttatacctg nctatggatg cctgctacag 60
tatccacgtc tacgggatga taaatgaaac ctactgcaag acagaagggt atatgaaaag 120
tcccctatca ctactatgaa caagggaaag atgagtgtaa cgaatatctt ctccatgaac 180
atgccccgta tgggggacac aggttcatca ccgagaagaa agtgtttgcc aagtgggcca 240
agaagcacag aatagtattc acacaccga actggacgct gtcctgatgc cgtganatnc 300
cacnantntg nngngngntg tggngaaaaa angctgatgg tgctgaccgg tgtagcanga 360
tgntcaaggg gtgaccatgg ccctggacat tctntggngg nggatctgac tctgttagna 420
nttgaacttg gcgttccttg ggaat 445

<210> 1589
<211> 310
<212> DNA
<213> Mus musculus

<400> 1589
gactgagggg aaaccgcccc tcatgactca acagcagatg tctgctcttt cccgggaagg 60
gatgctagac gccctcttcg ctctctttga agagtgcagc caaccgccc tgatgaagat 120
gaagcacgtg agcagctttg tccagaagtg gagaccgcc aactgtgatc ataccatttc 180
cggaaggag gcccgccac cagcattgta ccctttcctg tggggagacc tgcccactat 240
ggttgctca cttcctggcc taggatcctg gaccaataaa aaggagaaaa ttcactgtta 300
aaaaaaaaa 310

<210> 1590

- REPLACEMENT COPY -

<211> 422

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 22, 50, 84, 94, 131, 161, 235, 252, 267, 282, 286, 290,
293, 303, 304, 305, 306, 309, 317, 320, 322, 325, 339, 352,
393, 395, 404

<223> n = A,T,C or G

<400> 1590

```
agaggagatc taaccttnac tntgaaactg tggctttttg cctgcctggn tgcctgtttt 60
gttggggcct ggatgccggg tgtncatgcc caangcgcct ttgaaaactg ctgcctgggt 120
taccaccaca ngatcaaagt gaatgttctc cggcatgcta ngaattatca ccagcaggaa 180
gtgagtggaa gctgcaacct acgtgctgtg agattctact tccgccagaa agtantgtgt 240
gggaatccag angacatgaa tgtgaanagg gcgataagaa tnttgncagn tangaaaagg 300
ctnnnncant ggaaaanagn cncanacttt cagactgana ggaaagaagt cnaaccatat 360
gaaagtccaa ggggggagaac cccaacaaga cangngtgaa ggangccccc ctaagttatt 420
cc
```

<210> 1591

<211> 278

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 42, 79

<223> n = A,T,C or G

<400> 1591

```
agactgagga cccagntgat ggtctgtgtg tgccccattc anaaatgtct gccatcctca 60
agttaaacct ctctggcanc accctcccag gcatgcccag aggtgtcttc tacctgactc 120
tagatccagt caagatgcca atgtgggtta accgtcattt catgggtgctg tgatggagcc 180
aggagatgac aattggaggg aagcaattgt tgggtgccatg ctcttgaacc tccaaaatgg 240
ttaaataaac tcgggggtttc ttttttttaa aaaaaaaaaa 278
```

<210> 1592

<211> 128

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 32, 40, 48, 53, 55, 72, 80, 85, 96

<223> n = A,T,C or G

<400> 1592

```
tcacagactg agtttgacag gttnaaagca cnagaagaan aatactancc aangngcccc 60
agacgggatc gngactccan tgacngccat aagatnccct aaagctaagg cactgcagaa 120
aaaaaaaaa
```

<210> 1593

<211> 254

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 76, 81, 86, 123, 216

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1593
ggccaaatac tacacaangg gggactgggg acaccgcccc ccctttacat catgaaactg 60
ccgatgttac tggctnatgc ntggnggaca ccagcataca aagtcttgac accaacacct 120
canagggtcg tgttctgtcc ccgtgacat catctagtgc ctggaaagac tagtgacaag 180
aacttggtgc caacttccta ttacctccct aacagntggg caataaaccc catagggtta 240
ttcaaaaaaa aaaa 254

<210> 1594

<211> 109

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 32, 85

<223> n = A,T,C or G

<400> 1594
cgaagtctcg atcactagac gggagatgct gncaagtgcc ccagacggga tcaagactcc 60
aatgacaacc ataagattcc ctaangctaa gacactgcaa aaaaaaaaaa 109

<210> 1595

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 93

<223> n = A,T,C or G

<400> 1595
ggtttactga ccagtacttg aattgctctc cctggctggg ggtaacctct gcccttgag 60
ccttcccttg ttcctacaat gccaacctct cangttagac ccagccctgg agctcatggg 120
gtgccttggc cctgcccctgc acacctgctt ctctccatgc atccaggctt atcgacctga 180
agctgcaagc tggcccaaaa aggacaataa aacctgccac ttttgcataa aaaaaaaaaa 239

<210> 1596

<211> 366

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 83, 88, 100, 107, 148, 149, 154, 165, 173, 178, 185,
186, 187, 188, 199, 222, 228, 242, 249, 252, 253, 263, 266,
270, 280, 283, 285, 300, 311, 317, 327, 339

<223> n = A,T,C or G

<400> 1596
cacggctgtg gtgacccaac agctgntgta taaccatcc gggagacccc gagggccaag 60
ccctgtcgtg ttagcacctg canatcgnga aggttcgcan aggcattatg gctcacagct 120
tggaggacct cctgaacaag ggccaggngg tctnaacagg aaagntcttg ggnacccnat 180
ccctnnntc tggccacanc ccgctgggaca ccactattgt tnttgtgnaa aataataact 240
gnatagctnt tnntgaggcc ctnatnaatn atcatccaan tgnantacca taggaaaggn 300
gatttgattg ngaccancta tttgganacg ccctatcang ttttattaag ttagaccatt 360
tgacct

<210> 1597

- REPLACEMENT COPY -

<211> 138
<212> DNA
<213> Mus musculus

<400> 1597
aactgaggca ttaaagacct cattttgctg agtggccgga tattcctact gctggccctg 60
cttaccttag tcatttccgt gaccacctcc tggtttaact cactgaaacc ttcgcaaggt 120
catctgaaag aaaaaaaaa 138

<210> 1598
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 72, 217, 240, 243, 265, 304, 366, 375, 380, 393, 394,
403
<223> n = A,T,C or G

<400> 1598
atagccctgg aacggaaatc atgttgggca agcngaccca accgctgaag cacggcagga 60
ggaatgacta tnataggatt taaggatggc tcccgggacc gcagcatcag aggaacgtct 120
agaacacacc ttaagggaga gaaagaccgt tgtgagggct ctcaggagca agcacctata 180
ctctcttggc aactttcctc gatgtccagt gtccacncac ctccctagctt tgagcatcgn 240
tgnctactcg tccttgagag cgtcngcaag aaggaaaatta ctctgccatt ttcaaccacc 300
cctnatccca atcttaccat acttatccta gactggctct tccaggacca gatcttgagg 360
ctgacntaac ctttngggtn cccaaaattg agnnccgggt ggnccaaaaa ggggggttct 420
acctata 427

<210> 1599
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 43, 44, 46, 56, 58, 61, 66, 74, 81, 83, 84, 103
<223> n = A,T,C or G

<400> 1599
acgactgcca ttggtcatgc atacatggac catacatgga ccnnncncatg cgtgtngnta 60
ngaaanaatc cttnatcacg ngnnctttct actgtttgct ttngcagaac atcctctctc 120
ttgtatctgc ttcagctaaa tgttccttca tga 153

<210> 1600
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 367, 370, 391
<223> n = A,T,C or G

<400> 1600
ctgaggttat ggagacaaag gatatgctct acattgtcac agaatttgca aaaaatggag 60
aaatgtttga ttatctgact tccaacgggc acttgagtga aaacgaggct aggcagaagt 120
tctggcagat tctgtcagcc gtggagtact gccacaacca ccacatcgtc caccgggacc 180
tcaagacgga gaacctgctc ctggacagca acatggatat caagctagca gattttggat 240
ttgggaattt ctacaagcca ggcgagcctc tgtccacgtg gtgtgggagc ccccggtatg 300

- REPLACEMENT COPY -

cagccccctga agtcttctgag ggggaaggagt acgaggggtcc ccagctggac gtctggaacc 360
 tcggtgnggn gcttgtagct cctggtcttg nggctccctc cccttcgacg ggcccaacct 420
 gcctacgctg agacagcggg tactggaggg ccgcttccgc atccccctct tcatgtctca 480
 agactgtgaa aatcat 496

<210> 1601
 <211> 409
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 45, 47, 192, 217, 240, 319, 322, 342, 386
 <223> n = A,T,C or G

<400> 1601
 acactgagtt gccagaaac gtctactcat cggattgcta ctacncngaa atcctcaaag 60
 caagaataaa atatgatccc ggagggatag atttaggctc tactcagttt tcgtcccatc 120
 agaaagcctt tttgagctaa ggagaagaga gttatggctg gtgtctcccc tgctgtcctt 180
 ggatgcccg angtcacctt ggaaaggaac acggcantcc atgaagtcca agaaaatatn 240
 acatttaggg gacagtttaa cactggcctc cagcaacact gacttttggc ttcagcctct 300
 tacaggaaac ctggttttna anaatccaga tgaaaatgtt gncttctccc cattcagcat 360
 ctttactgc cttggcccct ccttgntccc ttggggagca aaagagcca 409

<210> 1602
 <211> 220
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 28, 51, 57, 69, 72, 88, 95, 104, 142, 158, 159, 169, 170,
 180, 187
 <223> n = A,T,C or G

<400> 1602
 ggctggcctt tctaagcagt taggagcnac gtcattgcatt ttttctaaat ngggccngtt 60
 ttccagtnc ancagcacag ccttgctngt acaanaaaag cggntggttc ctgcttctg 120
 gacactgctt gaagttccac tntgacttt ccttttgnng aaggaacann aattccgtgn 180
 gaatgtngta aagcttgaaa taaacccttt tttctcccc 220

<210> 1603
 <211> 165
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 71, 86, 119, 124
 <223> n = A,T,C or G

<400> 1603
 gaacggggag aaaatggttt cctggcttcc ctgtcagttc aagaacatcc ctgcctcaga 60
 gcctttgaag ntacaggata gctaanaact ctgtagtga accatggctg cttctgttnc 120
 cttnagaact ctgcttacat attaaagatt ctttgacc tttaa 165

<210> 1604
 <211> 172
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<400> 1604
 actgaggtga ggaaaccgag gctgaacaaa ggttattggt gagaaatcac acaggcagtg 60
 aatggtagaa tggactgaga ctggagcccc agtggtgact cagccattga cacgcaagcc 120
 tgcttatact gtctcacttt tacaaatcat gaataaaaat aagaaatgaa ta 172

<210> 1605
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 1605
 gggagagggga gaggaagaag gtggtgctag tgggcgggtg ggacatcagt ggggaaccag 60
 tgaccaagca gttaactgtt cctgaggctc aaacagggtcc caagtaaaaa tttatacctg 120
 aataaaaagat ttcagaagaa agaaaa 146

<210> 1606
 <211> 448
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 25, 408, 413
 <223> n = A,T,C or G

<400> 1606
 agcctgaggt gttcggctat gacangatga agctggatgt ctccttccca gacgctggct 60
 gccagcaact cctggagcat gaatgcaagc tatgtacttt ccaggagagg cgaatgggca 120
 cacaagtagc tgctgaccct ctggtgaata gtcaaaggga tacatggtcc gaaccagcga 180
 tgggaacagc aaacaaggct ttcccttgga aggtcccagc aagggtgtctg gaccacggc 240
 caagtgcacc tgctgttgtg accaaggaaa gctggagaga ggcaggctga gtctgtctgc 300
 aggcacgtta ccggatgcca gtctgagtc tcaactcggg tatcatgagc caaggagaaa 360
 aggagattcc tggactgaca gatactcctg ggccccaaag aactgcanga atnggaaagc 420
 ttttcagtct ttccaaaaga aagctgat 448

<210> 1607
 <211> 155
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 31, 62
 <223> n = A,T,C or G

<400> 1607
 tgtgccatag aggatgctgg tggatcatgg ntccacccag aaagaagccc tgctgttggt 60
 angttctgat ggtggaagag gataggactg acctgggggt gacatctgtc tccccccagc 120
 ttacattaaa ggatatgcaa cctgaaaaaa aaaaa 155

<210> 1608
 <211> 126
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 23, 50
 <223> n = A,T,C or G

<400> 1608

- REPLACEMENT COPY -

```
ccgatgccag gatggcaagt ncntctcccc gcagtttgtg tgtgatggan accgagattg 60
cctagatggc tctgatgagg cccactgcca ggccaccact tgtggccccg cccactttcg 120
ctgcaa 126
```

```
<210> 1609
<211> 228
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 69
<223> n = A,T,C or G
```

```
<400> 1609
ggtgctggtg acattttgtg ggagcgctgg cttttacctg gcttactacc caaatctgtc 60
cttgggaana atgctcaaga agatccaatt tcatcgctgc agtcagtgtg caggccacgg 120
gaaacacagt cctcttatcc atacaaaaaa gacctccctc ttgctctatt ttgactactg 180
ctaaccacca aataaatata atctggaaag taaatgcaaa aaaaaaaaa 228
```

```
<210> 1610
<211> 111
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 32, 34, 35, 68
<223> n = A,T,C or G
```

```
<400> 1610
gcaggctggt tgcagggtc caaggatgaa tngnngggaa tggactttcc cccctttttt 60
ccccctntt ttctaaagcg tgtctgccat taaaaatttg aaccttgagg a 111
```

```
<210> 1611
<211> 239
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 37, 147
<223> n = A,T,C or G
```

```
<400> 1611
tccaataaga agaagttgag ccaggaaagt gctttcnttc aaagagtaaa ttaaaagaag 60
acaccgtgag gctcagataa acaaggcgtt cgtgtcctga agaagtcaca gaaacagctg 120
tggtgtgagg ggagagtgga cacgtangag aaatcggagc tggtgtgata tttctgtcac 180
aaaagacttt cggaggaagg gaaaagacac gtttctagag aatgaaagag tgcagcgtc 239
```

```
<210> 1612
<211> 282
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 16, 25, 36, 46, 47, 118, 140, 168, 174
<223> n = A,T,C or G
```

```
<400> 1612
```

- REPLACEMENT COPY -

```
tatagcctga ccggtncat gcttntctgaa gatatngcct tcctanntcg aacggatccc 60
aggaagtgtg ctcatagtta atacacgtta ctaactatag aatgaagaat ctgaaacnCG 120
ctaggaaaag cttttgacan aaccctaacta tggatcttga caccgttngt actntccgag 180
attttgggtat tttctgtgga agccatacat tgaagtgtgt gtctgcagta acatgatagc 240
tcggtatgca atgaaagagg tcttcaactg gaaaaaaaaa aa 282
```

<210> 1613

<211> 277

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 31, 33, 35, 56, 86, 96, 104, 150, 152, 161, 164, 195

<223> n = A,T,C or G

<400> 1613

```
agattgctga ggcccgccang accgtggagc ngntnaagct ggaagtgaac atcgancgca 60
tgaaggtgtc gcaggcagca gccgancttt tggctntctg tganacgcac gctaaggatg 120
accactgggt gactcctgtc cctgccgccn anaatccctt nCGngacaag cgactctttt 180
gcaccctgct ctganccctc aagacagctt tatectcccc cgcagaagta tgaatccaat 240
aaacttggtg acctggtggt gcttgcaaaa aaaaaaa 277
```

<210> 1614

<211> 189

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 24, 45, 88

<223> n = A,T,C or G

<400> 1614

```
aagctgcctt cctccaaaaa cttnatctga ctgaagactc cgaanacatg cactgaaccc 60
tacaaaagac agacttggga ccttccanct atagatgaac tctcttgcca aagccaaatg 120
gctgctgaac tttggggaaa gttacatgat agtgaggaaa acatagtatc tatctagaat 180
aattaattg 189
```

<210> 1615

<211> 213

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 35, 62

<223> n = A,T,C or G

<400> 1615

```
attcacttcc ttttcnacgg tggacaatgt cagcntaaac tgacctgcgg gggaagccct 60
gnatgatacc aaccccagaa gttgaaaagc taccacgggg tgggtgctag ggCGggctgt 120
gactttgttg gtagggccct tcagtgcatt tggccagccc tgagttcagt ctccagcgcc 180
aaataaagca gacacaacgc actaaaaaaaa aaa 213
```

<210> 1616

<211> 453

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

```

<221> misc_feature
<222> 24, 31, 37, 48, 51, 59, 66, 71, 88, 97, 99, 103, 105, 107,
108, 121, 129, 134, 140, 144, 146, 160, 161, 165, 423, 427
<223> n = A,T,C or G

<400> 1616
gactgagggc ctcaggggga ggangcggac nggtaantga gctgacgnat ntgatcagnt 60
ccacngcgg ntcggaccag gccgcctnac agggacncng gancntnnca cagctcggaa 120
ngatcagana cganctgggn acangnaact gcggggccan ntggngcaaa aatggagaat 180
aagggaagc cactccagaa cttgaaggcc cgggtcaggg atggatgctg ccaccagaa 240
ggacctctct gtgaacaaac cctaaagtat gcctcatcaa tgccccagaa cccagggcct 300
cgggtgcttcc taattcaatc aagcaaactg atgatcagaa ttcatcatcg cgggtctctc 360
accaagacag acagacattt ggacagacaa gcgtcagtaa tcaagggtgac ccgctttttt 420
gangggngta gctttcttga ccttttgtca aaa 453

<210> 1617
<211> 292
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 24, 33, 37, 45, 97, 98, 101, 114, 165, 169, 185, 199,
203, 206, 207, 210, 217, 220, 223
<223> n = A,T,C or G

<400> 1617
catctgcaac aaatgctgcg ccnngttctt tantctntat gaatncatgg aacgcaagaa 60
aagttgcaat aaaacccctc ctgtgactca taatgannga nagccagggg ccantgcctt 120
catgaggact tttccagagc tgccctgacc caccagatgg gcatnccang ctcttgggaa 180
aaacntgccc tctgaatana atncanntgn atccccnaan aanacctgac cacctggctc 240
tctgctcatg tctacaagaa tcttctatcc tgtctgtgac cttaaggcag ga 292

<210> 1618
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 369, 405, 407
<223> n = A,T,C or G

<400> 1618
gactgagggg agaagccagc tgcacccagt atctccatcc tttccaagcc tgataaccca 60
tgtccagtcg gccccatctg gtcacagcaa gtcagaggtg gaatgagctg aatcctgttt 120
atacactctg agaaaaactt aatctggagc cagagtagcc tacacagttc tctttgactt 180
ttcttggtcc ctttgctctg taattcagtg accttgtagg ccagttctct cttctacaca 240
ctagaatagc cataggcaag gtctctgagg tctcagaaca cttcactccc ctcagctgac 300
tgtacccact atggaacaac ctcagactga gaacccagcc cctagtaagg ccactagtgc 360
agaaactgnt gaatttttaa aaccatgagg ccctgtctgg accananaag catcctcagg 420
acaaggatgg tgcaaatgct gatggagcag ctggagaaca ggagccagga gaccaaactt 480
tg 482

<210> 1619
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

```

- REPLACEMENT COPY -

<222> 247, 273

<223> n = A,T,C or G

<400> 1619

```
gttcttgggtg ctactgccaa atgttctggt acttaagtgt cgagacgccc agcctcacca 60
ccgacttagc actgcagcag cctgtactct gcaactggcc atagacgagc caccaggctt 120
ctagagtcgt ctacgacccc tctcaaggtc acctgactgg agcactgccg acgacgtgct 180
cttggtcaca tccctgtata gttctctggg aaagctataa atatatatat tttggttatt 240
gttttgngtt ttccgttaca ttttataatc tgnattttatc gcccgatatg ttttgtactt 300
tttgttttcc taaaaaaaaa aa 322
```

<210> 1620

<211> 234

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 23, 24, 26, 27, 32, 48, 49, 60, 97, 108, 115, 129, 149, 150, 157, 183, 203, 206

<223> n = A,T,C or G

<400> 1620

```
ggggttagagg tcgcgcaaaa cnnncnnttt gnggaccctc accatggngg cgggctgttn 60
actggagaag cgaggtgttt ctcaacagca agctgcntat tgggggcnaa gagcntgttt 120
ttcccaaant tattttatgg ggacccaann gggcgngnga attttttccc ccatecccca 180
tcnaaagaaa cacccttgga agntcnttgc cttttaaaaa aattcccccc taat 234
```

<210> 1621

<211> 438

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 145, 209, 262, 278, 362, 417, 419, 420

<223> n = A,T,C or G

<400> 1621

```
cagactgagg cactgaaagt cgccagcaaa caccatcaga ttgtgcattt ggatctgagg 60
agcaggcacc tggactcact caaggcaatt gtttttagag agtataatca gacctgtgaa 120
aattacagct ccacaacgtc tctgnaggaa gcgagccttt ctatgtgttt ggattcaaag 180
atcactcacg aaaacacaga agaaaaagng agggccacc gagtactca agagaccttt 240
gggacctacc ctacgccaca gntagagtgc gcacagtnta agctggaaac caagttcaag 300
agtaacatag gggggggcct cttggccgac aggaaagagc ctttccggcg cttgttaaag 360
tntccagtc cacatctttt ggaagccttg aaaaccttaa ctccccccga aatgcanann 420
ccccactttt ttcttggt 438
```

<210> 1622

<211> 256

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 36, 47, 80, 84, 89, 95, 145, 213, 220, 227

<223> n = A,T,C or G

<400> 1622

```
aaaccaagtt ccaggagctg nggaagctca tcgacnccat gcccggnatc cacgtgagcc 60
ccgagcagca gcagcagcan ctcnacagnc tccgnaagca agtgaggacc atataacgag 120
```

- REPLACEMENT COPY -

```
ctgctgcaga agtacaatga gcctntgcat gttttgagat cccaaggac taggccagcc 180
cccaggagag cgcgcgtca gacggaaagc atnacgcggn gctccanctt cttgggagcc 240
ccagctcaaa actgtg                                     256
```

```
<210> 1623
<211> 159
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 19, 31, 54, 57, 65, 95, 104, 108
<223> n = A,T,C or G
```

```
<400> 1623
ttctcactgg gagagctgna gggtcacctg ncatatgacc tgaacccggc cagngcngga 60
atganaagga ctctaccag cacctcctcg cagtngggag caanacgna caatgttagg 120
tctcgatgga agaggacagt ggacaccgag ccccggcgg 159
```

```
<210> 1624
<211> 132
<212> DNA
<213> Mus musculus
```

```
<400> 1624
gaggaactgg gagggggagg caggagggcc aaaagttcaa gaccaccttg gctacataga 60
gaattttaaag cctgcctggc ctacatgaga ccttgtctca aaaaaattaa agatttaatt 120
ataaaaaaaaa aa 132
```

```
<210> 1625
<211> 341
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 24, 26, 37, 41, 42, 56, 67, 75, 98, 100, 106, 113, 120, 121,
126, 131, 160, 177, 185, 193, 194, 229
<223> n = A,T,C or G
```

```
<400> 1625
cactgagact ctacaggatg atgntntgaa aaacatnttc nnaactacat gccagnctgc 60
tttgttncct tcttntacc tgggtctccaa atggaaanan tccggnacga atncctcagn 120
nggganaccg nagtcttttt cactctggga tcacccacgn gcagcatctt ccgtgtntgc 180
tgaanaccat tttncttttg gacaaccatt cgagccacca atgtgggtnt ctgttggtgag 240
acacatcctg taaatgctat cacatttgct accagagaaa ttctctgcag attccaaagg 300
ttgagggagg acaaaagcta gaactgtaat gaaagcgggt t 341
```

```
<210> 1626
<211> 342
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 48, 52, 54, 65, 83, 105, 123, 130, 172, 176, 180, 187, 260,
276, 280, 281, 287, 291, 292, 298, 299, 300, 301, 302, 305,
310
<223> n = A,T,C or G
```

```
<400> 1626
```

- REPLACEMENT COPY -

```
aactgaggcc aatctggaaa agaaacactc tacatgatga ccgtaagnac antntccatt 60
acgtnacctt tctaaccacac tcngaaagca cgccaagcca cctangcggg gcccacatat 120
gantcacctn aacatactgc ttgaaggccg gaatcccttac ttcagtaccc tncagntggg 180
gggagangag ggggtacagga atctgggttct tgggccagtc cactcgaagt gtgcttttct 240
gtcattgatc tcattcttgn catgtgatat ccacntgan ncctttntag nngaagcnnn 300
nngcncaaan gctcaaagaa cactggaata aagcttcgat tg 342
```

<210> 1627

<211> 352

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 23, 35, 57, 70, 79, 101, 104, 110, 111, 118, 125, 318, 328, 335

<223> n = A,T,C or G

<400> 1627

```
gaggatccca tctgccatgt tnnaggtctg ccctncactg actgactaga tctctanccc 60
ctatatgggn acctgtcgng atgctgcaag atgaccctgg nggngaaatn natgccanaa 120
tctgnggacc aaggggaaca caagccccag tgatgaagac agcaggtaac acctgacaga 180
tgtgtgttct accattatgg tgcatacgtg gctccaacca caagaaatgc agacaacagt 240
ggagatcagg gcaaggccat tgtgacatgg aacaggaccg ctgtgctggg ctcttcaggg 300
ttaggaaaac tgaactgntg ggatgctnct gacanggtac ccaatttccc ct 352
```

<210> 1628

<211> 685

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 530

<223> n = A,T,C or G

<400> 1628

```
caccagccag gggcctccat gggagcttaa gggccaggca gcagggtgc gggcacgagc 60
atggtgagac accagcccct gcaatactac gagccccaac tgtgcctctc atgcctcaca 120
ggcatctatg gctgccgctg gaagcgctac caacgctcgc acgatgacac caccgccgta 180
cctctacaac cgcattgggt actggagtga ctggtccgtg cccatcctgg tgacctcggc 240
tgctgctttc acatacatcg caggcctcct ggtcctggca ctatgtcaca tcgctgtggg 300
gcagcagttg aacctgcact ggatacacia gatggggctg gtggtcatcc tggcctccac 360
ggtggtggcc atgtctgcag tggcccagct ctgggaggat gagggtggag tgctgctgat 420
ttccctgcag ggcacggcac cattcctgcc tcacacccaa ctgtccagca ggcctctggg 480
gcagaagaag ccttgaggac cagggtgaacg acagactgat ctgacctcan gttcccacag 540
cagcggccac aagggcaatg ggccacctgg gcgaacacat tgggctcagt caagcatggg 600
ccttttggcc aaaaggttgc ctacagtaga aaggaacca aggggcaaag acaattaaaa 660
gctgccattt tttgaaaaaa aaaaa 685
```

<210> 1629

<211> 323

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22

<223> n = A,T,C or G

<400> 1629

- REPLACEMENT COPY -

```

gactgagggc aggtaaaagat gngagtgaga cacacgagca cctgccagta gcctgcacgc 60
gggatgcagg cgtgggatgc aggcgcccac tggcaggcgt tgggtggtcc aagggttgca 120
gctctccgtc tgcccatgct tggagagatc cgttgttcct gctcctactc aaagcacaca 180
gaaggaaacg ctggcacatc ggttctagaa taaattacca ccctgtggaa agaccaagcc 240
gcttcctgtt ggaggacccc caaatgatgg gagacagttt tctgttaaaa gaacagtaaa 300
gccattctat atacaaaaaa aaa 323

```

<210> 1630

<211> 202

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 58, 128, 138, 141, 151, 176, 177, 178

<223> n = A,T,C or G

<400> 1630

```

ccgcccagcc tgcctnctat tagggacgtg tcccgaaca ctcttaggga gtggtgtnng 60
catcataact tgagtacgga tggctagaaa gttgaggtct atttgagact tcggagacac 120
tcctattnta aacaagantg ntatattccc natacatctc gggaggccag aatgannnag 180
ggtcccaaga aatccaagat ag 202

```

<210> 1631

<211> 303

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 74, 75, 78, 79, 235, 246, 254, 255, 272, 287

<223> n = A,T,C or G

<400> 1631

```

tgagagtacc tgatacatc cctggggctg accccatctg atcgcgctga atttcatcat 60
cacctctttt ggcnnngcna gcgcaaggctc ttctccgaaa gtgaagggtga cagacaccga 120
cttcgatggg gtagaagtcc cgagtatttg aaggttctcc gaaaccagaa gagccgctgc 180
gacgcagcgt catctatatc cacggaggag gctggggcct ggctagtgc aatancagct 240
actatnacca gctnntcaca acaatggctg angagctgaa ctccgtntctc ctttctattg 300
aat 303

```

<210> 1632

<211> 312

<212> DNA

<213> Mus musculus

<400> 1632

```

agcctccccg tcgtcctatg gattggcagc ttggtgctgg ggctgcttgc actggtcttc 60
cttgccctacc gcctgtggaa atgctaccgg ccaggctctc gccagacac tagctcatgt 120
acacacctat gaagctccat tatgccagac taaaggaggc agagagtgc cagctgcagg 180
atttggggca tcaagatgat agtgtggcct ctttccttgg tggtcagcac atctataagt 240
ttctcctgac ttctgggctt ttctgcctgc tggcccagag ctaaataaaa gccccgtatc 300
taaaaaaaaa aa 312

```

<210> 1633

<211> 117

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

- REPLACEMENT COPY -

```

<222> 60
<223> n = A,T,C or G

<400> 1633
actgaggttg agggaagctg aggagtgacc tgggaccttg cctatgatgg aaaaaaccgn 60
tgagctccat acctaaccct tttaaaataa aattggatat tgccgagaaa aaaaaaa 117

<210> 1634
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 19, 23, 51, 53, 61, 74, 76, 79, 85, 108, 116, 125, 151,
155, 156, 159, 163, 166, 167, 169, 171, 181, 194, 196, 197,
225, 228, 229, 242, 248, 249, 377, 405, 415, 417
<223> n = A,T,C or G

<400> 1634
tcttgacgga actctncang gcnggacagg aggcattggt ggggtccatat ntntactgcc 60
ncgaatcgat gaantnganc tcggnacccg gggatcgaag atcctatncg gaaggnccta 120
ttctntagaa agtataggga ctccggcctg nggcnnngnc tcngcnnct natgcttact 180
nactggacca tacngnncat catcttcctt gaacaacgac tctgnagnnt gggccgggcc 240
tntggacnng acagagcgta ctaaacgaga gtacttcgct tggcttactg cttcgtaaga 300
gtttttcttc ttctggctac acaaataaga ggaagtggag aaactcacag gagggcttgc 360
ttttacagaa aatctgntta acctgctaag cagcctgcag aaggncagag gcagntncat 420
ttttagactt cgcccctcta acttttctct ag 452

<210> 1635
<211> 392
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 98, 104, 108, 110, 122, 127, 129, 135, 139, 140, 151, 154,
156, 157, 159, 161, 167, 170, 173, 174, 176, 181, 182, 185,
186, 192, 199, 203, 217, 219
<223> n = A,T,C or G

<400> 1635
tgagctggtt cgatgccag acctgaatgc tgtgctccag ctgtggcctc accggtgctg 60
aatagagagg aagagccacc ttcatagctt acatgagntg gctntggntn tacaacctat 120
gntggantnt acctnagtnn gactggatga nacnanntnc ncgcatntan atnntnatcc 180
nncanntgag gnetcgggnc ttntctctgca ttgctanang acacaccctc aatcctacca 240
atctaagtct cccgcctttg tttgectgcc ctctctccctt agactcctca tgcattcatg 300
cacaatgaat gtcattcttt tattctctga ttccctttta ctttaattctc aaactcttga 360
caagactttt actctgtcct ataaaaaaaa aa 392

<210> 1636
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 36, 44, 48, 50, 56, 61, 68, 73, 74, 75
<223> n = A,T,C or G

<400> 1636

```

- REPLACEMENT COPY -

```
gtcccccaat gacccggtan caaaaagaag acatanaaaa cacnctgntn tggccnatgg 60
nctcaacntc acnnnctggg ggacaggctg cccatctcgt tgataaattg actatgcaa 120
taaattaaca tggttcactt tcaaaaaaaaa aaa 153
```

<210> 1637

<211> 331

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 28, 36, 41, 43, 46, 85, 115, 117, 119, 120, 121, 127, 142,
207, 221, 229, 257, 276

<223> n = A,T,C or G

<400> 1637

```
ggatgttctg atttcctgat tgcctcanac gtaccnaatc ntnatntaaa ccaagggtcat 60
gacatgttgc caccgcacac gtgtncattt tcaggattat caagtgaatt catgntncnn 120
ncccacntca cctcttcact cncatgaatag aaggacttgt aaagtaaaat agcccatgag 180
agagaatgca catatgggag aacagangtt gggggccctat nagaagtgtt ggcacctgca 240
cctgacctgt gagagtnact gttccagggg tagctntgag acatcactca ttggcttggt 300
ttggaattct tactctaat gattcatttg a 331
```

<210> 1638

<211> 196

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 36, 41, 50, 63, 65, 66, 72, 80, 81, 83, 113, 121, 133, 138,
141, 143, 179

<223> n = A,T,C or G

<400> 1638

```
cctcctggac ctggaattct aaaggctgga agctgntggc natggatgcn agccctgtga 60
acnanngtcc tntgcatgan ngntccacac tcctaactgg tgagccatcc ttnccgtccc 120
naaagaaaaga acntaaantc ntntctccat ccctgacttc aagctgttct acagagcant 180
agtgataaaaa aaaaaa 196
```

<210> 1639

<211> 101

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 76, 84

<223> n = A,T,C or G

<400> 1639

```
ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttaatataac ttcgtataat 60
gtatgctata cgaagntatt aggnccctcg aaaaaaaaaa a 101
```

<210> 1640

<211> 541

<212> DNA

<213> Mus musculus

<400> 1640

```
gtgaaaaaga agggtcagac atatatgaag aaaacctgca ctaccactt ctgcttattt 60
```

- REPLACEMENT COPY -

```

taacccaaaac gggatagaag aaaacatcag atgcagagaa agatttccac actatatgag 120
aactccgcca cagcgctctt gggactcagg gctccacca ctttgaaca ttccgcatct 180
tgggactccg cccagcccat tactccggcc ctccgcagct ctcccaccct ccgcagcgcg 240
ctcgctccca ccagtccttt ttaaggaagc ttgttgctct tccgtaccaa acctttgtgt 300
gtttttctgt gtcagcagcc tgtcttagat cagaatttga cttgtggagc aatctaaata 360
gtttttctctc taaagcaciaa tttcttttga tgatttccac ctgccgcccc ccttcctttt 420
ttttaattgc ctttgttctt gtttggtaat agtattcttt atccacaaac acagaaagca 480
tcacccttct tttctggata aataaaciaa cttattttt ctgatatctc aaaaaaaaaa 541
a

```

<210> 1641
 <211> 291
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23, 29, 32
 <223> n = A,T,C or G

```

<400> 1641
ctttgaatcc ctttgaacc tangaagcnc tnttgaagag atcctagcag ccagaggaga 60
ggaggtacgc cgagtgtctg gtgacgggtgc cctggaactg attctggagg ctgctgtacc 120
ccctgacacc ccagaagggg atgaggatcc ccccaaccct ggcaagatgg gacagagctg 180
atctgcatac tcctacagct gcagactcca gtcttcccaa aagtcgctcc cttcacttgg 240
agcctcaciaa gctgtgtgct gttccttgct agtaaaaaac catcacctcc a 291

```

<210> 1642
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 29, 35, 78, 82, 87
 <223> n = A,T,C or G

```

<400> 1642
ttcaagctcg ccttgctaaa cttcgaacna gaacncatca ctccctaaagg tcccagcggc 60
aagggggcca cccaaaangt cngtacnccc atgtactatg tgt 103

```

<210> 1643
 <211> 502
 <212> DNA
 <213> Mus musculus

```

<400> 1643
aagggggagat ggccctgaag atgatgaagc tggtgaccaa gcaggagtag ctgagctggc 60
tggccctgga ggcgctaaga gcagagccca ggatgcaggt gctaattgtct atccctgggtg 120
ctcttctccc ccgctctgcc atgggatatg actctgggag cacctgctct ctcccgctacc 180
aaaagactgt ggcttctgt gtctacttag aaatcagttc tgcttcccaa agagtattta 240
aaaccagact catttaatca aagtgaaggg ttgcaatcga ttggtctctt actacaaaag 300
cagttgatag cacatgtaaa tcccagcact tgagaggtag aagaagcaag aggatggatg 360
agaggttcaa acgcacccgc agctacgtcg aaagttcaaa agcagcctat gccaaacagg 420
gagagtccct gtccccaccc ccaccccaa aaaagagcaa aagcaaacca catgatttat 480
aggcaaaagc agtgggaaag ac 502

```

<210> 1644
 <211> 191
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 67, 70, 74, 83, 100, 109, 148, 163, 168
<223> n = A,T,C or G

<400> 1644
gaatattcct agcataaatt tatattttcca acatcaattc gggtcattgc ctctggtagg 60
acgcacnatin atantctcaa canaaaaggc agcgcatcan tacacacana ctcaaacttg 120
cttcgtcatt tactcatcgt tgccacanac tacctactaa canttatntt ttgacatgga 180
cactgcttta t 191

<210> 1645
<211> 193
<212> DNA
<213> Mus musculus

<400> 1645
gttgctcctt gcaatcgtct tgctctcttg gggattcgtc atctatgcat cgactgtagc 60
tgcacgacga caactacaga aggagtcttc agacaagttc ttctgaacga acttttgtaa 120
ttcttagcaa acacttcttt tcttcagatg gcacctatgt agactcaaag taaaattcac 180
aatacaaaaa aaa 193

<210> 1646
<211> 239
<212> DNA
<213> Mus musculus

<400> 1646
ttaagcaccg gggccctggg aaaagatgtg gccgccatga ggcttggtat ccccatattgc 60
aaccagagc caagggttcc tccctgttat ggttgctggg cgattctgag gcactcctcc 120
acactccttt gtggcaccaa tcattgacgt gtgaccaaac caagaagaat ccacgtggcc 180
ttgtacttta tctcactgc ttaaggtgcc cagaataaaa gctaaccctt tcttcttca 239

<210> 1647
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 370
<223> n = A,T,C or G

<400> 1647
gggatgagca gctggccagg tctgctgaag cctggggccac ccagtgcac tggacccatg 60
gaccctcaca gctgatgaag tacgtgggccc agaacctctc tatccattcc ggccggttcc 120
gttctgtggt agaccttgtg aggtcttggg ctgaggagaa gcgccattac tcattcccgg 180
ctccaaagga ttgcaccca cactgccctt ggctctgcag tggtcctgtc tgctcccact 240
ataccagat ggtgtgggca tctccagtc ggctgggctg tgccattaac acctgtagca 300
gcatcaatgt gtggggcaac acctggcagc aggtgtgcta cctgggtctgc aactacgcca 360
ttaagggcan ctggatcgga gaggcaccct acaaggcccg gaagccatgt tctgcctgtc 420
ttcca 425

<210> 1648
<211> 273
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 21, 26, 28, 32, 44, 110, 137, 141, 150, 153, 154, 157,

```

- REPLACEMENT COPY -

160, 162, 167, 174, 194, 218

<223> n = A,T,C or G

<400> 1648

```
atccttgaac ttcagantct nctagntntc cntcccaagt gcangcaggg atcacagaca 60
ctgatccatt gcacccagct tacaggggaag aatgggtggct gagtctggcn tgactgcctt 120
aaatgaaatg atagaantgt ntcttttcan atnnttnctn tntgtgnatt aaangtgtgt 180
gtctactctg cttncagctg aaaggtccct gagacagncc aaagacacac cctgtagatc 240
gcctaagggc tggctccagg taccaagaat ggg 273
```

<210> 1649

<211> 264

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 170, 171, 174, 176, 177, 185, 186, 233

<223> n = A,T,C or G

<400> 1649

```
cttccgtcag agaataagca cgtgtaccct aggaactaca tagtgaataa gagatgtact 60
gccacctgt aagccgcact acttatgtac tgtagcaaaa taatgaagat tgactgaacc 120
tgtctaaaaa tctaaggaat gtaccataa aagtcacaaat gaggtgttan ntgnngnatg 180
tgtgnnttgg gagcctctgc catttgtcag actgcacagc aagccaaatg tanaatggac 240
gaagtagtaa agctcttgtc acca 264
```

<210> 1650

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 416

<223> n = A,T,C or G

<400> 1650

```
catctctact gttagagact caggccagga aacgtctcta cttccccatc ttctacacct 60
accccaaatg gcaaccacaa gtccaatgtg atcaggaaga aacagggtcca cctcgaattg 120
gctgttacca tatctcaaca gaaaacacgg agaattcgaa attcgacggg attaaaggac 180
gcgtgaaagg tttgagagaa gagagatgcc gctattgaat ctgctggagt tttacatccc 240
aagatgaaga cagcattcag aattgatgtg atttccttga atgtggctta ggaaatgtgg 300
acacttaaaa ctctcacttg aaattgggca caggtttgat gtagagataa ggacgggggtg 360
cggaatggag acccattttg tcattgattc atctgaccga taaggccata gtgcanttag 420
gtgatattcg aaagcttctt tgatgctctt tatgtatatg 460
```

<210> 1651

<211> 399

<212> DNA

<213> Mus musculus

<400> 1651

```
cttctaacat ccgtgtttga caatagcatc aagacctttg gagtaattga gagtgacccg 60
tttgactggg agaagagtgg aactgatggc tccctgacaa ccaccaccac ctctgccacc 120
cctcagctgc acacccgcct gacccctgct gctatcgga ttgcaaattgc caccctcatc 180
ccaggagact tgcttcgaga aaatacagat gaagtgtttc cagatgaaca gcttagtgat 240
ggggagaatg gaatccctgt tgggtgtatca ccagataaat tgccctggatc tctggggcac 300
ccacgccctc aggaaaagga tgtctgggaa gagatggata tcaacaagaa caagataaag 360
ctgggaattt gcaaagtgtg tatttcttaa aaaaaaaaa 399
```

- REPLACEMENT COPY -

<210> 1652

<211> 207

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 31, 44, 67, 71, 104, 105, 137

<223> n = A,T,C or G

<400> 1652

tcgatcagcg	gtggaccgna	gagggagcat	ncttcgcac	agangtctac	cgtgcacatt	60
ctggaanaga	naattttgaa	cttcatgggt	accaaacgaa	caannccaag	actgatgagt	120
tgacctactt	ctaagcngca	aattctaaa	tgatctgatt	ccgttcatta	gagatttagc	180
catgaataaa	gaagcattct	tcaaata				207

<210> 1653

<211> 310

<212> DNA

<213> Mus musculus

<400> 1653

gttctatcag	aaataacttga	gctgtgctga	gggggcagga	agaggaaagt	tccagccaat	60
gaagagtcac	gagaggggaat	gtgcctttgc	ttcgcgttcc	ggagaccctt	tgacttgctt	120
gcctagtccc	tacaaccgct	gagttgataa	ttctgtccgg	gagagcttct	ctgcaggggc	180
tgctgggtaa	tgcttgtgac	ctcatttcct	ggttggaagc	tgaactctga	agggcttggc	240
agttctgttt	ttttcttttt	ttcttttttc	tcctacaata	aatttctctg	tgatctccat	300
aaaaaaaaa						310

<210> 1654

<211> 554

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 481, 528, 530, 531

<223> n = A,T,C or G

<400> 1654

gatgtgctat	gaacaatttc	ctcgagtccc	tgccggtgtg	acttccctgc	tatgctggac	60
tataacatgg	aactaggagc	agagaggaac	cctgcgggtca	cttcctcttc	tacattgctt	120
ttgtcaagta	ttttatcaca	tcaatctgaa	acttaatttc	taaacagaga	atgtcatgat	180
gttgtaagtt	tatagatggt	ttatggatag	gcctagtaat	tagtgctgaa	atgtaagtgc	240
tgtgtgatcg	ttgggtgtgt	ccaacatccc	accagtagcc	ttgggaggag	cccaagtggc	300
cgcacaattg	aacaagccaa	agcccaagac	aatgtatcct	gctacaatga	aagccttgtg	360
ctactttaga	aacctgattg	ccagcaacat	tgtatccagc	ctatcacaca	tgcaatgaaa	420
tggttaactct	ttgttctgtc	agagctaaat	cactatttgg	gcaaattcat	ctccttgggtg	480
ngctcagcat	tacagaataa	tataatatct	gagtaggaaa	gtaggatnan	ngaaatgggc	540
tttttccttg	agcc					554

<210> 1655

<211> 286

<212> DNA

<213> Mus musculus

<400> 1655

gagtgctgat	cccagccggg	agtatctcat	cccacagct	acactaagcc	cacagcaaga	60
tgcaggatta	taaagctact	ggaaacagca	tagagacaac	ctggaagagt	gccctgctcc	120
acacagccct	aaagggccca	ggggagcact	ggacacactg	tcaatgaagc	atccgtcctg	180
tcccttcctc	tctgtttccc	tgccctttcc	actcttctgg	accagcctc	tgaagactgt	240

- REPLACEMENT COPY -

catgtcctgc acaattaaaa tcttggtgcc accctaaaaa aaaaaa

286

<210> 1656
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 30, 52, 166, 371
<223> n = A,T,C or G

<400> 1656
aactgaagca gaaagaagtg tatgtctacn gtctctggac caaaggcctc anagaaatct 60
gacctgggct tctgagaagg ggaccacaga gatactgttc tctaccagga tgggttgcaat 120
ctccccctcc agatcaccca ttctccctaa gacacgcaca aaatgnccat ttggatacac 180
tgatggttgc tcccaggagt caatgcgcac aaccaccctg aaatcctgca caaagggaaa 240
aatacaaagt caaccaaggc tggagttaaa tggcccaatc tgaagcatca gactaaccag 300
atgaacagag cagagcacac acaggccgac ctgcaaacgg cggcttgacg aggcttactc 360
tgctctctgg ntgctggtct tggcaathtt taaaatggcc ggttggtttg caagccactg 420
g 421

<210> 1657
<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 374, 377, 396, 397, 422, 433, 459
<223> n = A,T,C or G

<400> 1657
gattcgccctc cccctgaagt aaatcggatt ttgtatataa ggaatttgcc atacaaaatc 60
acagcagaag aaatgtatga tatatttggg aaatatggac ctattcgtca aatcagagta 120
gggaatacac ctgaaaccag aggaacagcc tatgtggtct atgaggacat ctttgatgct 180
aagaatgcct gcgaccacct atcaggattc aacgtttgta acagatacct tgtggttttg 240
tattacaatg ctaaccgggc atttcagaag atggacacca agaagaagga ggagcagctt 300
gaacttctca agggaaaagt atgggcatct aaccccagat ctttcccaag gtggaatgga 360
caggccacgc cgtnggnccc ttgggttacc ctgggnnctt ctttcttctt ttcctttttt 420
tnaatttagg tancctggga ataatttggg ggaaatttnc ctttaatttt tggggggaaa 480
ccttt 485

<210> 1658
<211> 400
<212> DNA
<213> Mus musculus

<400> 1658
ataccaagaa tttctaacca aagtattaat caggctcctg ttgcaagatt accagttgct 60
gcccacagaa gagccattgt ccacagagga tcctgatgcg aaggtttacc aagtagatac 120
caatggtgaa agccagccac accccagaat ggacaacacc cctagacagc aggaagcagc 180
ttaagagaca cgccaccctc attccctttt caccaccagc tttccctca tttcttcccc 240
ttctctttat aataacaaga agggaggtat gttggtatca ggacctctga aacctgtgac 300
atcacatagg caacaatgtg acctacacac ttgttgccaa gacaatggcc accatattcc 360
cagcatccac tggactcacc ttccaccttt atctttacct 400

<210> 1659
<211> 310
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

<400> 1659
 ggaccgtggc taggctccat tcctgtttgc tcctttctca ggattccttc aagggtcacc 60
 tctggctggt acaaagtagc tggagggaca aataagaaaa cccaacaata gggcaaggtc 120
 acaaagtttc taaatgaaac tgtacagaga gatgaaagat ttgggccttg aaataggcgg 180
 tttgtatccc ttctccaagt agagccctgg aggcattttg gaggcctggg gtgtaactta 240
 cagcacatag ctttttggtt tctggagaca acctgtcaat aaaagctggt ttccctggta 300
 aaaaaaaaaa 310

<210> 1660
 <211> 260
 <212> DNA
 <213> Mus musculus

<400> 1660
 ggaaatatgc tggctagctg gtgggagact ctgcagttga ccttgaattc ccttgacctc 60
 ccgtgtccag acaaagattt cccactccat gctactgctg aagtctccga ccaatgaagc 120
 agacgagggg gaaccaatcc cactcccacc cattcttctg cagccaacag ctggattgat 180
 ctccaaacaa gtcggaagag atgcgtaatt gaattaaaaat cataataaat tgaagccaac 240
 tcgttcgatt aaaaaaaaaa 260

<210> 1661
 <211> 104
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 17, 20, 23, 72, 84
 <223> n = A,T,C or G

<400> 1661
 tatggcattt gcctcgnttn canggggttc caagcagtga gatcacgcag ttagctgggt 60
 tataccttct tntctttctc cctntgtccc atctgagcca gccca 104

<210> 1662
 <211> 434
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 363, 375, 377, 386
 <223> n = A,T,C or G

<400> 1662
 agggctatga tgaatcaaaa acctaagtcc ctggctccta ctcagacaat cctcagcaat 60
 tccgacatca aaaaaagcaa gcaggaagca aattttaga cctcttcagt tttgctgagc 120
 tgtgttggtt atctccagat gttttctgta ctattctcag aggcataatt gcagtagata 180
 ggccagtgtt taagagcagc aggccagcaa caaagcaatg gtatcctaag tgggatctgt 240
 gctcttggtt gagctgcccc agcctctcag ccgcacacgg ggagtctact agtttgggca 300
 gcgaagacac atatctggct gcgcttcaat tactggcaaa cagtgatctg ggacttcagc 360
 ctnaaacaga aaccnancgg ttaatngtga tctagtggga gcctgcaggg gtttcttaag 420
 aggaagtact taat 434

<210> 1663
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 1663
 gcgtgcgcca tcgtgctgga gtgaagtccg aaaagacaag aactgaagcc aagaagagca 60

- REPLACEMENT COPY -

```

cgaaattgaa atgttggtttt aatcctgggg ttatccggaa ttgggtgacc ttgagcgaat 120
tattcaacct ctgagtactc cgtgtccaca tatcgcagga gctatgtatt tgtcttggtg 180
ttgttcttgt ttaaattggtt ttccccatt taactcgcaa actaaccac cgaggtagac 240
tctgggaatg gaaagataag ctgagttcag gatttatctg gtctcctttt aagtcctttc 300
attacttact gtgccacctc gtctaaatta aattcattgc tccacctgcc tcatgcaaaa 360
c

```

<210> 1664

<211> 348

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 37, 39, 48, 53, 54, 55, 97, 98, 147, 150, 151, 153, 154,

174, 177, 211, 213, 218, 294

<223> n = A,T,C or G

<400> 1664

```

aggacaaatg cacggtatga agcctgacct acaccgnana agagaaantc ctnnntcctg 60
tgtgcccacc cccgaagtgc cctgagcctt gtccctcnngc aaagtgccct gaggccttgct 120
ctccccagt atgctgtgag cattgttctn nttnnaaagt ccctgagcct tgttctnccc 180
cagtatgctg tgagccttgt cctccccagc ngngctgnga gccatgcccc cctcagccat 240
ggcagccaaa atgccctcct gtgcaatttc caccatgcca gcagaagtgt tcanccaaga 300
ataaatgagg gtttcccagt catcaggact gggaagtaag agaaatct 348

```

<210> 1665

<211> 255

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23

<223> n = A,T,C or G

<400> 1665

```

agcaagttgc tggagaaacc canctctctg catgcctctg acgcaaactc tgccccccaga 60
gcagacgcct gaaaaatgaaa accaggaatg aaacagggcc aggattacac aaatcttcct 120
aaaagagaca aactcttagg tacttttgaa cttatctatt tggtttattg ttgatgcttt 180
gctttctgag acagtcttat cagggtccagg ctggccctga actagctctg tgctggagac 240
gacctcaccg tgatt
255

```

<210> 1666

<211> 148

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 35, 44, 52, 53, 54, 60, 69, 74, 78, 79, 131

<223> n = A,T,C or G

<400> 1666

```

agagtatctt gggaggccaa ccncaaaggt ctttnggatt aacncaccac annngcacan 60
tgtgagganc ggcntgcnaa cgcttacggc tatgcaaggc acagatcttt cccagcatgg 120
gaaagatcct ncctccctct ctctctct
148

```

<210> 1667

<211> 317

<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<400> 1667

```

ggaaacagag ggctactcag gctccgacat taagctggtc tgcagggagg cagccatgcg 60
gcctgtgcga aagatcttca gtgtgcttga aaacaaccag tcagagagca acaatttacc 120
tgggatccag ctggacactg tgaccacaca ggactttctg gatgttttgg ctcacaccaa 180
gccttcagca aagaatctga ccgagagata cttggcctgg caagagaagt ttgagtctgt 240
ataaagctgt gcccgacctg acctggccag aggcagccga gagcctcccc agcgtgactg 300
ggatggaagg gaggaag                                     317

```

<210> 1668

<211> 357

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 223

<223> n = A,T,C or G

<400> 1668

```

gtctccgctt catttgtcca aacctgcatc aagccaaggc cttggagggga acaaatgacg 60
gttctgagga gtttcctgga aggcttaatc ataggaggca aaggtgggga aaagccacag 120
tggcagttag gcctccgagg ctcacaacag tgcggagcct ataacactcc aggcctgaag 180
gggcagaggg agggggagct ttgtggagta agagatcacc tanaaagaag gttgtaggtg 240
gagccagggg ctttggagag aagctgggtg agccacaggg cttaaggagc atcaacaccc 300
cccattcccc actgtcgtcc ttctcggagc accaccatgt aaccaggaac accctgg 357

```

<210> 1669

<211> 170

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 85, 86, 87, 91, 92, 94, 95, 96, 99, 104, 107, 113, 116, 123, 154

<223> n = A,T,C or G

<400> 1669

```

gaatgaagac accggaggaa tatatcaaac cttgctgtgc caaggccccg tggaactcac 60
aagggggaag aaaaggaaca aaagnnntat nncnnnatnc aatnggntat cgnganaaat 120
tantcattgg agatattcac ggaagacatc ccangctgtg acagtgtatg 170

```

<210> 1670

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19

<223> n = A,T,C or G

<400> 1670

```

gaagaagagg aagaactang tggttaagagc ggcctccagt ttcgaactac cttactagaa 60
ttggaaggct gagctcgagt cctcagagat caagtccagc cagagtcttc agagatcaag 120
tccagccaga gtcttcagag atcaagtccc agagtcttca 160

```

<210> 1671

<211> 685

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 503, 519, 533, 571, 612, 627

<223> n = A,T,C or G

<400> 1671

```

gtaaggaact gccaatcacg tgaccgtgcg caggcagtggt catcatcata actcgcgagg 60
ggacatccgc cttgatccctg gcatattttg cttattatatt ttactttaag agaaaagtgtg 120
agtgagcagg ggtcagttca gtgttttagtt gggtactttc acaaccccca aggccttgatg 180
ctgaatgggc ttgaagattt tgtacatacg tgtgtgcaca tgcacacagt gcagaaagcc 240
agtgttttta tttgtgaggt gtttttgtca gtagttcaca atatggagaa taattcacag 300
agacttgata gtaaagcttt acaaagacta aacctaactg aaacagaagg gtgttcatat 360
tgctctgact tcatactttg gagcaagctc ggtcaatggg ataatgactc ttacctgaga 420
ttccttttaa ttcgctcagt gatcacttgg atacccttgc aaatgagaaa atgcagtttc 480
ccacctgcca atcacacctt cangctgtgg gttttttgnt ttggttttat tngnggttaa 540
aacgctatat aacaccacat gtgtgtgctg ntatgtagtc atatgtgggt acgtgtgggt 600
gcttcacaat gnacatgcat cgtgggnaat ttgccgttgg ttttccctct tagctgggat 660
accacaatgc ttggaaaaaa aaaaaa                                     685

```

<210> 1672

<211> 257

<212> DNA

<213> Mus musculus

<400> 1672

```

atgccagggg agcagatgaa ctgtcccttc aaattggaga caccgtgcac atcctagaaa 60
cttatgaagg taagtgaggc ttgatggctc cctgttgggg atttgggatg acgcttcagg 120
gtcttctcgg gaaagtgcct ctctgtcagg gtgctacctt ctcaggaagg acactttccc 180
cacagataga tgctcttcca ggcaaagggt gctcgggcag ctatttgtta aattcagttg 240
aggcttttaa aaaaaaa                                     257

```

<210> 1673

<211> 107

<212> DNA

<213> Mus musculus

<400> 1673

```

gtacagggtca agttcttggg gcccacttct gagtttagaa gacctattac caaaagtgaa 60
gaactagact gtgggaaaaa aaatggcttt tgactacaaa aaaaaaa          107

```

<210> 1674

<211> 398

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 346, 379, 382

<223> n = A,T,C or G

<400> 1674

```

acatgctggt gtctatacag ctgaagaagt ggctcttatt atgagagaaa agctaattcg 60
tttgtagtct ttgtacattg atcagtttaa aagactccaa cacctgctca aagagaagaa 120
gcgccgctat ttacacaacc ggaaagtgga gcacgaggct ttaggtagta gtctcctgac 180
tggccctgag ggacttttgg ccaaagagag agagaattta aagcgactaa aatgtcttag 240
gcgataccgt caacgctatg gagtagaagc cttactacac aggagctga aggaacgcag 300
aatgctggcc accgatgggg ctgctcaaca ggctcacacc actcgntcca gtcagaaggg 360
cttaaccctt ggggatgang tncctgtcc aatcagct                                     398

```

- REPLACEMENT COPY -

<210> 1675
 <211> 118
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 34
 <223> n = A,T,C or G

<400> 1675
 taaataacaat gccacaataa tgactctgga gcangttaag aatgcagcag taacagggag 60
 acttgatcat gttctctgga atagtctaaa ggaatgctct tgaacaacag gaattata 118

<210> 1676
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 1676
 ttgatgaagt gccagccagt tcgtcggctc agtgaacctg gggagttgag gcgagaatat 60
 gaagaggaga taagcagggg ggaggctgag cgacaagcca gcaaggaaga ggaaaacaaa 120
 gccagtgagg agtacatcca gagattgttg gctgaggagg aggaggagga gaaaagacag 180
 agagaaaaaa aaa 193

<210> 1677
 <211> 710
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 205, 325, 419, 483, 561, 601, 618, 638, 656, 659, 664
 <223> n = A,T,C or G

<400> 1677
 atgttccgaa attaacaaat ataaacttta tccctggatc catcagttta gcaataatcg 60
 gagatcagct gatcagatcc gacccattct tttccctgat gttgaccccc acagtcttcc 120
 tcctgggttct aactttttcca tgacagcagg agactttcag gagatttact ctgaatgcaa 180
 tgccctgggac tgtattgcca cctgnttctt catagacaca gctcacaatg taattgatta 240
 tattgatacg atatggagaa tactcaagcc aggttggatc tggataaatc ttgggtcctct 300
 actataccat tttgaaaatc tggcnaatga actgtctata gaattgagct atgaggatat 360
 taaaaatggt gttcttccagt atggatttca gctagagggt gagaaagaat ctgtattgnc 420
 aacatatact gtgaatgatc tctctatgat gaaatactac tatgagtgtg aactgggtgt 480
 ggncggaacc acaataatgg tcttaagtgc tattaccacag aagaacattt aataagagta 540
 aatgatgaaa tgacaactca nagtcactat cgggtgaccac aggacacaac cttcaaataca 600
 ntgggtgcct tcttaatnct aaccaattta caaatagnng ctattttctt aatgangcna 660
 ttgntttttt cagaatatac ttgccgggca aatttatccc acccagtata 710

<210> 1678
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 1678
 aagcctagat ttggaatcct cactcgggtg cagtgggtgg cctggtcgtc ttcattctcga 60
 gagtctcatg aacctgtggg tctgggtgtc tcagctgact gacctgggaa tggctagaac 120
 ggaacagcca agcacgggca tgtctgctgt cctcacggca gccctgttgc atctggcagg 180
 gctctagctc tctccaaaca tgactgctgc cagcccagtg ctgtgggatt gtctatagcc 240
 aagtttttga gagccagtg catctgggtt tgttgttgtt ttgggttttt tgttttgttt 300
 taatgtccta ataaaacctt aaaagcatgc acatcaaaaa aaaaa 345

- REPLACEMENT COPY -

<210> 1679

<211> 194

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 52, 58, 86, 92, 95, 96, 97, 100, 113, 114, 115, 135, 141, 150

<223> n = A,T,C or G

<400> 1679

```
gctggctcga gtgtggaagn ctgcctgccc aaagaactgg acgtgaaact gntgactngc 60
atttgatggt tgctttgggc ctgaantggt gncannnatn gagctcaccc ccnnngagct 120
attgctgaac aggtncactt nccccacatn gtaataactt tccttttcca ctgcctctgc 180
tgggtgctgg gcta                                     194
```

<210> 1680

<211> 270

<212> DNA

<213> Mus musculus

<400> 1680

```
ctgtgctgat gtccttgcaa aggcaggaga agtccatgtg acactgtgca gaggacaagg 60
tggaacgcct gctgacaagc ctgagagaga gtggcacaac agttggcaag tagttgccat 120
ggcagccctg ggagggttca ttttaagtga tgtgtgtccc tttagctgtg aggctgtgcc 180
aggatacaag tgcactgggt ataggtaagt aagaccatgg gcctaaacct tctccccttt 240
cgtcttttgc atgaagtatt aaaaaaaaaa                270
```

<210> 1681

<211> 261

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 17, 21, 72, 73, 95, 97, 116, 129, 141, 146, 155, 157, 160, 166, 172, 177, 188, 189, 198, 206, 208, 209, 219, 226, 229, 236

<223> n = A,T,C or G

<400> 1681

```
gatgacttcg agaggcntgc ngcgacctac acagagcgtg cgctgcgacg actcttccgc 60
accttgatc gnnaccagc actggcggag agagncntgc ggaagggcaa gcagantgag 120
ttcgagcanc gggggtcct ntgcancctc tgggngngan ctgggngcac cntgcancca 180
aagccaanna actccctnaa cttggngnnt attatggtnt tcaaantgng gactgngaca 240
aagcaagttg gtgtacagga a                                     261
```

<210> 1682

<211> 187

<212> DNA

<213> Mus musculus

<400> 1682

```
ctgcttcagc accagcctgt ccagctgact tccctgttgg atcagtatgt caaagagcaa 60
aacgagggag attgtgccac gtcagccaat gagaagctac atcctcccga tccctgtcca 120
gatgcctagc cggcctgttt taccagctc tgcccataaa cacactctgt ccctgtaaaa 180
aaaaaaaaa                                     187
```

<210> 1683

<211> 394

- REPLACEMENT COPY -

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 82, 84, 86, 94, 96, 112, 126, 138, 150, 152, 163, 179, 182,
187, 191, 193, 219, 378
<223> n = A,T,C or G

<400> 1683
atcgatcaca catggactgt tccaaagatt cgattggaag agcaaccggt caagggttgc 60
tttactctgt gttctcttga anancnagtg aacngnacag agcatgggta cnaaactggg 120
acgcanacat ggacacangc cccactgan tnccttgtgt ctngacaggc acacctgana 180
tntgacntga ntngagggtt ctcaatgggt gaggcaaana gctatacatg ttgacacacc 240
ttataaccac aagcttaatt ctcaagataa gttgatatac agaacagtaa cttgctactc 300
tgtgaacccc atcaccaggg tgtaatagcg tctagacttt tgaaaatgat gccttaccag 360
aagtttgcga tggggtgngt tctttttgta tcct 394

<210> 1684
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 28, 39, 42, 61, 65, 71, 72, 76, 79, 86
<223> n = A,T,C or G

<400> 1684
cttccaacct tctattatnt gggacatntc tttatcttna anttactttt tttttctagt 60
ntatnccatt nnatangant ctctcngtcc aaaccttcta ccacaacaat ggacacaatg 120
ggtaccccat taaaaa 136

<210> 1685
<211> 173
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 142
<223> n = A,T,C or G

<400> 1685
ttaatgattc ttttctgcgg gatcaagaag atgggtacta tcccagagcta gtatctcgcc 60
agcaagaatt cactcggaca attcttctac ggcaaagctt tattgcttca tctgaaggaa 120
gaccccgaaac aaggaaaatg gngctgctta tatacccttc cgtgagatgc cag 173

<210> 1686
<211> 354
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 229
<223> n = A,T,C or G

<400> 1686
gcaccgagtc aaaagcatgg tcagcagcat ggatgctgtc tgctctgctt cccgtggaac 60
ctttccaagt gtcctcttg cccgctgcct cttactctgc attctcctta aggaccaacc 120

- REPLACEMENT COPY -

```

ttcttgatct tgatcgaaca acccaattta ttttagtttt aaaatttcct ccaagaatac 180
tcttctagat ttggactctt agtttcttcc aaataatcaa gccaaagcct gagagcaggg 240
cagacagctt tacttttggg aaggaaagca ggcttagaaa agtggtgtta cccagtgcct 300
caataaaaaca gctcagtaca aataaccatt tgggggggata aagaagtctt actg      354

```

<210> 1687

<211> 300

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 104, 154, 157, 169, 180, 187, 190, 192, 201, 204, 206, 223, 226, 250, 272

<223> n = A,T,C or G

<400> 1687

```

cctctgaagg cccaggaacc cggaggtggt ctgctgagag tcgacatcat tggatggggg 60
gagagcagaa gggagggaca cgaaaggcca tgggggagca gcancagcaa gaccctcagt 120
cgacacattg caggtgggtg ggaggctgtg acanggnacg tttcagatnc cacaatcacn 180
ccttgtnngn tntttccagg ntcnngaaga tggcaggact tgntanggac accgaccgga 240
tacggacatn taatatccag ttctggtctc tnagcctggg caaattactg gagcggtttt 300

```

<210> 1688

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 81, 101, 136, 164

<223> n = A,T,C or G

<400> 1688

```

ctgagtaatg gtcagcaaga cccagaaaagc agacctgggc ccacaactcc cagagaagaa 60
gaaaaaagaag aagaagaatg ngagagtggg tgcaaatgtc ncagaaccag agactcaata 120
ctcagtctta aacagnaatg attattttat agacgcttct cctncgaggg ccacgtcccc 180
ttctaacaat gtggatgagg tgcagatccc cgagatgtca ctgagcaaga gaaaaaaaaa 239

```

<210> 1689

<211> 133

<212> DNA

<213> Mus musculus

<400> 1689

```

actgaggggtg gacctgcatg atttcttcct ggggatgtca tggctgaaaa cacacgacag 60
aaaccagatt gagaaactcc taaacagagt gaaggaactg gaacaggagg tggaaagact 120
taagaaaaaaa aaa                                     133

```

<210> 1690

<211> 495

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 77, 84, 97, 263, 266, 276, 296, 328, 362, 374, 398, 403, 405, 407, 418, 446, 475

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1690
ttattttattt ttggaaatca agttcaatat taaaaagaaa gagcacacat tattggaagc 60
cattttctact aattcgntac attntaactt atgattngat ttgaatactg tcatgggagg 120
agctgtgagt gctgggggaag ataatgatga cttaattgat aaccttaaag aagctcagaa 180
catccgaact gaaagagtag agcaagcctt cagagccatt gaccgcggag attactatct 240
ggaaggctac cgagacaatg ctnacnaaga cttaancctg gaagcacggg aacatncact 300
tggcaaccac cttgcattta ttctgaantt atgggaagct tttgaaactt caaccatgga 360
tnatcttttc ttanccctgg gaaggtggaa cccggatntt tangntncaa tgggtggngc 420
ttaattttta gggtaatttt attttnggaa attctctcct ttataaaagt gagcntaagt 480
tttcattggc ttctt                                     495

```

<210> 1691

<211> 427

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 378, 398

<223> n = A,T,C or G

```

<400> 1691
gactgaggca tttcaccac ccagctctct aagcacggaa accttggaca cgtgaacatc 60
agcgccatcc aggaacctct cgcctttatt ttgcctaaga gagaaacagt tttctgttta 120
gatgagcagg agctggggcc ggacatcgtg gccccagctc cagagctccc tgcggagcag 180
cggagcatgg agcctgtaac agagaagagg gaaccagggg agccgctgcc tcaggagccc 240
gtggaggggg agccgctgcc agccgagcca ccgagtggag gaggagccat aggcagtgtc 300
ccctgcccgc agcctggggg gcagccctga gggtagcgcg ttctgcagcg ggaaggtgtg 360
tgcagttgct ttgcccanga tagcgcgggc cctggggnat ttgcactttt ataaaaaccg 420
cacctgg                                     427

```

<210> 1692

<211> 352

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20

<223> n = A,T,C or G

```

<400> 1692
agactgaggt ctcatactgn atgttgatga acaactgtcc aagtcagtga aagataaggt 60
attgctgcct tgccgttaca actctcctca tgaagatgag tctgaagacc gaatctactg 120
gcaaaaacat gacaaagtgg tgctgtctgt cattgctggg aaactaaaag tgtggcccga 180
gtataagaac cggactttat atgacaacac tacctactct cttatcatcc tgggcctggg 240
cctttcagac cggggcacat acagctgtgt cgttcaaaaag aaggaaagag gaacgtatga 300
agttaaacac ttggcttttag taaagttgtc catcaaaggt taaaaaaaaa aa 352

```

<210> 1693

<211> 316

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 23, 51, 66, 243

<223> n = A,T,C or G

<400> 1693

```

agagcatggg ttggacctat tanatacaac agagctgaac atggaggatt nctgatggga 60

```

- REPLACEMENT COPY -

```
ctttangcct ctcccccttct ccacttacca ctgcaagtcc ttgagtgcgc agaaggaagg 120
agtaaaatga agcattctttt gggtcctagc caagtacttt aaaggaaaag agaaatggcc 180
ttattttttca aatctctatt tctttctgaa gtgggtgcta tatatagatg ctatgagcct 240
tgncatcctt aatgcgccat cgctttatgc ttttgccctgt ttgcaagtga taggagttgg 300
gtagggaggg ctttac                                     316
```

<210> 1694
 <211> 414
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 150, 208, 391
 <223> n = A,T,C or G

```
<400> 1694
tttgccttgt tagcagccgt ttggtttctga acttatctac actcaagcaa aactagctct 60
tttatcagac acgtagtgtg tacccttttg ggcctttatc ttgcattttt ttgcttttga 120
tggtagcctt tacactttct tgtacaaagn gggatttctt actgcatcat gatcatagca 180
ggagtggaga gcatgcagca atctccanaa gtttctctga ctatgttctg cttctgactg 240
acccctgcgc tcagtctcat gtgtgcgagt ctgttcaggc atgtaccaaa acaccgtctc 300
cgttccagat actccggtac atctgagaca tctgaggtct gggccgagcc cagccaagca 360
gaggatatgg gcaccaagag gaacatccga naaacagatt accaccttgc gaca         414
```

<210> 1695
 <211> 236
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 21, 23, 25, 44, 51, 53, 60, 68, 71, 77, 85, 101, 107, 108,
 132, 150, 153, 170, 182, 184, 200
 <223> n = A,T,C or G

```
<400> 1695
gaacacgtcc gtgtcataca ncngncacct tgttgaaggc accnccgctg ntnagcgtgn 60
aggcaagnag nagcacnttg acagncaaca gcaccgacag naggcgnncg ccctttttcc 120
acacctcacg gnggctggcc cgaggcccn gcnggctctc attgggatgn gggaccagtt 180
cntncgacat ggtgggggcn gactggagga ggttgaaggg atcacttgcg aggtcc     236
```

<210> 1696
 <211> 110
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 70
 <223> n = A,T,C or G

```
<400> 1696
gaagtctcga tcactagacg ggagatgctg ccaagtgcc cagacgggat caagactcca 60
atgacaacn taagattccc taaagctaag acactgctga aaaaaaaaaa         110
```

<210> 1697
 <211> 203
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

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<220>
<221> misc_feature
<222> 57, 62, 141, 151, 162
<223> n = A,T,C or G

<400> 1697
accaaaacac tgaagaatat tgtcaaagtt ccagaaaaca tggaaggcat gaaagangtc 60
gnactggaga aaaaccctct gaaaatacta aatgtggtaa agcctttgca tgtcacagtc 120
atccccaaaa gtatgaaaga nttcatactg nagagaaacc cnatgatggg attcaagtat 180
ggtgaagcct ttgtacatca ctg                                     203

<210> 1698
<211> 360
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 23, 52, 101, 115, 121, 140, 171, 177, 179, 269, 301, 344
<223> n = A,T,C or G

<400> 1698
ccagtagaag acattttcttt tnntggagac aaagggatat ctcccacagt gnggtttcac 60
cggctgctgt tctcccgcac atcctgtccc caagcgcata nagaagccgt actanggaga 120
ncgacaggca ttgtgcccgn actggggaga cagcatacaa ttgaatcgat naagatnang 180
attcaagggc ttcatgaggc ttgtcggctg gcgagacacg tcctcctcct ggctgggaag 240
agtttaaagg tggacatgac cactgagana gatagatgcg cttgttcata gggaaatcat 300
naggcatgac gcatattcct ccactctggg ctatggacac ttncaaaat ctgttttgac 360

<210> 1699
<211> 150
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23
<223> n = A,T,C or G

<400> 1699
ggattcctgt gtgactgcac ggntgcaatc ggcgatgtgt acttcaaggc acacaaatca 60
gttctcgctt cattctccaa ttactttaag atgttgtttg tccatcagac caggtaacta 120
aagtgcctga taataaccta aaaaaaaaaa                                     150

<210> 1700
<211> 262
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 28, 43, 238, 244
<223> n = A,T,C or G

<400> 1700
gttgaacccc ttgaaaccct ctngtganag tctctatcac tanacgggag atgctgccaa 60
gtgccccaga cgggatcaag actccaatga caaccataag attccctaaa gctaagacac 120
tgcagatctt gactctgctg atttctatag gtgtgggtcca aactagtcct atgccccatg 180
aaccacataa ccttacttgg gttataacta acactgctac ggggactgta attaactnga 240
cctnccacct ttgcccccat tg                                     262

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- REPLACEMENT COPY -

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<210> 1701
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 58, 64
<223> n = A,T,C or G

<400> 1701
agtctcgatc actagacggg agatgctgcc aagtgcccc aacgggatca agactccnat 60
gacnaccata agattcccta aagctaagac actgcaaaaa aaaaaa          106

<210> 1702
<211> 243
<212> DNA
<213> Mus musculus

<400> 1702
tttttagtggg ttctgcttcct ggcactgcac tggcttccat aaggacattt tcctacaagg 60
acagatgatg ctttgagcac aggactctac cccactctcc ctgtctcctt tctcactccc 120
ttctctttgt tccctttgtt tctctaccaa gtgagttggc ctgaggggtca ctgggtgctcc 180
agcgcagcta tgtgtgtgac ccaacacaag ataataaact tattttaaac ttaaaaaaaaa 240
aaa                                                243

<210> 1703
<211> 139
<212> DNA
<213> Mus musculus

<400> 1703
gactgagggg ttttctgtgt tacctggcta tctgttaact aggctctgca gaccatgttg 60
gcctcaaact caagaaattc acctaccttc tgccttccaa gtgctaggat taaagggtgtg 120
tattaccaca aaaaaaaaaa                                139

<210> 1704
<211> 104
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 27, 34, 44, 55, 65, 73, 75
<223> n = A,T,C or G

<400> 1704
gaggtatgca ccgaactgcn atcttcncca gttncacta aaanactgac ctatntactt 60
taanaaaact ttncntgggt agggatgggc ctcccctttt tttt          104

<210> 1705
<211> 282
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 33, 39, 45, 60, 95, 109, 126, 162, 203, 214, 235
<223> n = A,T,C or G

<400> 1705

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- REPLACEMENT COPY -

```

actgaggtac tgaggccatg ttcccngagt ggnttcctnc tttgntcttt cttatggcan 60
caccaccttc aagtactttc aggacctccg caacncaggc ttggagaana gctatgcgct 120
cctcantggg gggttgctttc ccaccatctt ctcccctaac tnccccctgg tctgactgat 180
acactccaga actggggatc ganggctgca ccancacc tacagtcgat ccaancagga 240
caacgggcgc accactgagc tcactaactt ttacaagaca tg 282

```

<210> 1706
 <211> 315
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 35, 41, 49, 51, 53, 65, 66, 67, 71, 79, 83, 87, 96, 100,
 109, 110, 117, 123
 <223> n = A,T,C or G

```

<400> 1706
gcctcatccg gggctgtttt gttgcgtccg aaganctgca nggactgcng ngnacccttg 60
gacannntag ntccgaacnc aancacnagc tccacnccgn gcagcgccnn gaccggnaaa 120
ggnatctatc acctttttaa ggagcacatt aaatgtcctc tctgattgaa gcctgccaag 180
agggctcagt atgtaaaggc cttgtacta agcctgagga cccaagttca atctccagga 240
cccaaataga ggaaaaggac tcctgaaagt tgtccttgga cccccacaca tgtactgtga 300
tgggcccccg tgtac 315

```

<210> 1707
 <211> 259
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 159, 232
 <223> n = A,T,C or G

```

<400> 1707
gacctgaggg ggggtctttc atgaagtgtt tgctagtgga tcaagctgct gctgcctgct 60
gacctgaact gaactgccaa tttccagaca acacagatgg gagttgctcc aaagaacttt 120
tctaaaaagg tctttgccac tcaactttgc tcagcttгна tgттаactcc aggagtgcac 180
ctgaagacct aaaagcattt tacatgcaga tattatctcc aaacaataaa gngtgacttt 240
tctttttccaa aaaaaaaaaa 259

```

<210> 1708
 <211> 140
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 18, 32, 33, 36, 39, 42, 44, 56, 65, 100
 <223> n = A,T,C or G

```

<400> 1708
actgtgggat ataacgantc ctatgtgagc cnnganggng angntaagaa tgtcanctct 60
ttcanaggaa ggattgaccg caaagaactg agcgattgan aaagaatgcg gcatcacagc 120
tggcaatccg aaagataaaa 140

```

<210> 1709
 <211> 207
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

<220>
 <221> misc_feature
 <222> 24, 26, 35, 42, 50
 <223> n = A,T,C or G

<400> 1709
 gcggaagacc tcgcctcctc cgantntaca tcatnaaagg tnattgacgn gctttcccta 60
 gtggtgaaca ccatacagct ctttgggccc ccagtttcct gttaagcctg gctggggacc 120
 catgtctgac cttatctccg tctcctccta agcaatacaa ttttccctag ggaaaagatt 180
 ctagaaatag taactactac ataaatg 207

<210> 1710
 <211> 105
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 27
 <223> n = A,T,C or G

<400> 1710
 tttaaatccc agctgaagtg actttgngct ccaggtagca gcctgggcag taggccataa 60
 ttacttcttg tggaactctc aaaggtcggc cggggaaaaa aaaaa 105

<210> 1711
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 1711
 aactgagatc tgggagagcg tctggaagaa caaaggcaac agaaaggaag aatgactgca 60
 gatgcgctca tggctggggc ttcatatccc agaagccata tactgataag tggaaaaccc 120
 agtgccaggg tgggctacct ctatacattt ctggacgcgg agtcttctga ggcctccaaa 180
 accataaaag ctgatgtcat gtactaaata gttttttgtc aacacaagct aaagtcattc 240
 gagaggaaaag aacctcagat aacattttctc catgcactga gctgtacagc agcttggttg 300
 gaattttcta tt 312

<210> 1712
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 24, 25, 27, 55, 57, 65, 86, 96, 102, 115, 140, 148, 165,
 174, 180
 <223> n = A,T,C or G

<400> 1712
 gacacacaga atcacgcctg gngnnanccg ggccttgatg gaaaccttgc aactntncat 60
 ttaanaataa agggagaagg gctgangaga tggctnaacg gntaaaaaca ctgantgctt 120
 ttccaagagt cctgaattcn attccancca accacatagt ggctnacaac catntgtaan 180
 gggatctcat gccctctttt ggtgtgt 207

<210> 1713
 <211> 418
 <212> DNA
 <213> Mus musculus

<220>

- REPLACEMENT COPY -

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<221> misc_feature
<222> 71, 115, 126, 136, 147, 150, 160, 161, 163, 172, 174, 178,
186, 188, 193, 196, 198, 199, 203, 204, 205, 210, 212, 223,
227, 233, 236, 249, 255, 262, 270, 299, 318, 320, 324, 338,
357, 388
<223> n = A,T,C or G

<400> 1713
gaactgaggt gtataggtgt gaaccaagtg cacgtctagt tcccttggag gccagaaaga 60
agggcgtgtc ngatccccag gaaccatagt tacagatggt tgatgtggaa actcnaacag 120
gatgcnactg tttttnacta ttttganggn ccagccaccn nancctttaag gncngggnat 180
ttttttnanac tgncantnnt gannncggan cncctccaca tanaatntct tgnttntctt 240
gtggcccccna ggatnacacc gntaggtan gacactggcc ttgctttacc ttcagagtnt 300
ggccttgcat aatggacnan attnattcct tcagttgntc tctgacctcc acatgcngtc 360
ctgtgcatgg gtgtatgcat tcacatantc acacatcccc cgttgttaaa taaataaa 418

<210> 1714
<211> 118
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 32, 45, 80, 98
<223> n = A,T,C or G

<400> 1714
tgggcggtgg tcttggccaa cgacatgntc anacctgcac gagcnctcga aagctgaact 60
ggcagcccct cagctcattn tgttagccaa cttggccntg acgggggagg caagcggg 118

<210> 1715
<211> 379
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 72, 95, 99, 102, 103, 106, 107, 110, 118, 124, 125, 128,
136, 142, 147, 153, 157, 164, 172, 185, 189, 210, 211, 212,
235, 238, 259, 266, 291, 307, 311, 314, 359
<223> n = A,T,C or G

<400> 1715
actgaggctc cagctccaga ggtcagtga ggaggaagac acgggagcaa gactaccctg 60
aagggtcac cnggggacta aaccctggaa acaanggan tnnccnnacn ttcgtaanag 120
actnnggnta taattntatg gncctanctg tancctnngg ctanagaggt gnccaacagg 180
ccatngagnc ccatctgctg aaactccttn nnaacatgag ggagtgagga gactnngnaa 240
acgcccctctg cctcctctna ctctnnggtc cttaatgata gttttgttta natataaatt 300
tttatanttt ngntngggtg tacattttta tctcaagggc aatatttgct ggggtttanc 360
gagttttaat aaatattcc 379

<210> 1716
<211> 299
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 52, 94, 115, 125, 157, 174
<223> n = A,T,C or G

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- REPLACEMENT COPY -

```

<400> 1716
gaagaagacc taggagaggg tgagaagtcc accctgaagc acgcatcaac tngttcgttc 60
taaggagggga atgcttttctt cgccaagaca tcangaaaag actggggcac ccaanagacc 120
agctngactg tccgcatggg attaaggatt gtgggganggg aggcgtggaa gcgnacttct 180
ggctagacaa aggggtggagc tgggagtgtc cggagacaga atcatccaca gttgtaaagg 240
ttttattagt tatctttgcc ttctgatgca atgaacgcac gtaagccatt ccatacctt 299

<210> 1717
<211> 409
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 1717
aaggacttgg aaagatcaaa acctgntgtc cagcatttgg gaacacttgg gactctggaa 60
aggtggccac tgaaaagcac cacaggtctt aatggctccc cggaatcttc ttagcactga 120
gaagctcaag ctatggacac tcctttcaga caggcttgcg actgtgatgt catggatctt 180
ctgcctccag atcctgatct cagttttgag tgcagtgtat gcttttgcac atgacttttag 240
ggcagatagg gatgcaaggt ggagtttttg tcttttgagg attcaggctt tacctctaga 300
tattagtgtg gttaagattt gaaaatctat agtaagacaa tattactttg gggaaacct 360
cacatggaaa taaaggctcc cattctcgtg gtatgtgtaa aaaaaaaaaa 409

<210> 1718
<211> 305
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 75, 82, 83, 90, 94, 99, 108, 111, 117, 120, 121, 132, 143,
144, 148, 160, 163, 171, 173, 181, 185, 190, 192, 197, 201,
205, 231, 261
<223> n = A,T,C or G

<400> 1718
ccatgaagag cagctggaag aggggtgatta ctatcaagtg gcatattatt attacacagt 60
gaccctaatt tatgntgact tnngggaaan cttnactgnt gattactncg ngtttgnggn 120
ncaggatagg tngaacaggt tgnntatnga ggtaacaacn acngaagcgg ntnagactac 180
ngccngtttn tncagtnttg ntacngaact tatggaccct caaaatcctg naaccacgaa 240
accagggacc acagaaccag ngaccacaga accagtgacc acagaaccag tgagtcaaat 300
gggga 305

<210> 1719
<211> 240
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 77, 156, 170, 173, 185, 186
<223> n = A,T,C or G

<400> 1719
ctgcctgggg aagtaagact tcaacgaaaa cctgatgcga cctctcctga ttgctccggg 60
ccgattcatt tcccagntgg ggtgtagacg aaagcctcct gcctccccac aaagcaagat 120
ctgcctcacc atggctcgtc caagttcaaa tatggnagac tttcggaagn gtnttgcgaa 180
cgccnngcac atagccatca tctcgggggc tggctgttag tgcgagagg ggggggggaca 240

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<210> 1720
 <211> 293
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 22, 26, 29, 55, 59, 60, 64, 66, 69, 98, 147, 151, 170, 174,
 178, 181, 199, 202, 213, 227, 233, 263
 <223> n = A,T,C or G

<400> 1720
 ttacctttgc tctgtgtgtg ancaanggnc cggctcggca tggcaaggca cggcncagnn 60
 aggnanggna cagcacggcc atggcacaag gggcagtnaa ctcttgagc ccctacttaa 120
 agggcaagct tctgaggact ccggaantca nttgagagt gggccagatn agangacnta 180
 ngtggataaa ggcaatttnc tngccaaacc cgnatgactt tgagggntgg atnccccctg 240
 gggacctaca tgggtgggagg aanagaaact gactccccac aagctagtcc ttt 293

<210> 1721
 <211> 264
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 23
 <223> n = A,T,C or G

<400> 1721
 aaccccggtg gtttcaaaaag ccnggctggc ttcgggtctct ttgggtggtc tcgcttgccg 60
 gggctctttg gcaaccttgg ggaaaaaagc ccacccgata ttgcctactg aggggtctagg 120
 aaatgctcag caaattccac caccgcaacc acactaccta acctgctgca tccgacccat 180
 ggccatattt tcattgcttt aaagaagctt ttattcttgg atttggtacg cgattaaaaa 240
 tattttcta gctaaaaaaa aaaa 264

<210> 1722
 <211> 472
 <212> DNA
 <213> Mus musculus

<400> 1722
 ctgaggcttg cttccgaaca ccatcttctt cccctcggag acccaatgga gaagggctgc 60
 agatccagga ggctgcacaa gctgcagtta gcctaagcgc caccaggggc gcgcctgcct 120
 atcgtgatcc gcgcctccgg acagcactgc ttcaggctcc agtggtccag ggaaaactgt 180
 acgcgggtgg gacagaagct atccggacct gcaggaaaca agagcagga cccacgtgta 240
 cagaggctgc agctgtaaat gcgacgtctt ctgcggcgcc tggatatccat aggagtcaaa 300
 gccaccgatg aagtcaactg aggaagagaa ggggaatact ttgctcacat aacaggcaaa 360
 cacgaagccg aacagctaag agagcggata acaatcagag agagagaagt tgtccctgtc 420
 ccctctaccc acccaactca atgcctgtcc aaagcaaaca tttaacacct tc 472

<210> 1723
 <211> 103
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 65, 76, 81
 <223> n = A,T,C or G

- REPLACEMENT COPY -

<400> 1723
tgggggagcgt ggattcttct acacacccat gtcccgccgc gaagtggagg acccacaagc 60
ctacnacaca gcagtnaccc naggatgagc aggaaaaact ttt 103

<210> 1724
<211> 131
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 41, 66, 68, 70, 71, 73, 76, 77, 98
<223> n = A,T,C or G

<400> 1724
cctgtggagc cacacactgn gcacctttct actggaccag nagattattc ccccggaat 60
ctgggntncn ntnccnnttg cttcataact gagtgcngc aacatgtaa attggagctt 120
tgatcagcaa a 131

<210> 1725
<211> 188
<212> DNA
<213> Mus musculus

<400> 1725
ctgttcaccc cgcttcaagg aagacaacaa aaggatggag gaaaacacag atgcagttga 60
cgagctgggg aggtacaact agctgcttgt acattccttt agttaaaca agctgggggtg 120
gggtgttatg ggatggctac agtagctgag tcctattaa cgcataagaa gaaacccaaa 180
aaaaaaaa 188

<210> 1726
<211> 116
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 100
<223> n = A,T,C or G

<400> 1726
gaactgagga aattccttca caaggaggag natgaagaag aaatctgtat ataatcagaa 60
tgtgggtgat caggagtgtg acgacatgga aggtgatgan aacagccata ctgccg 116

<210> 1727
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 19, 21, 42, 43, 46, 52, 60, 71, 73, 82, 83, 85, 102,
103, 112, 113, 117, 118, 130, 142, 146, 161, 164, 174, 182,
193, 201, 210, 213, 220, 227, 250, 278, 296, 307
<223> n = A,T,C or G

<400> 1727
acactgaggg ctacagnent ngtttcgcgg tcgcggcctg cnntgngagg angtagctgn 60
gccgccaggg ntngcgggat tnngnatggt gacggaggac annggagagg gnntganngg 120
gaaactgaan ttctcccaga cncgtntgac aagacaccga ngcncaggag ccgntggagc 180
gntactttca cnccttatac ngggccaccn gcnatttcan ccatttnacc ttgtgggggtc 240

- REPLACEMENT COPY -

tggaacggn cccgggtcca aatgccc aaa gtgcatangg ccctaagttg gcccancctc 300
tcaacancga ttcacgcccc ggtccctgag gactgagaac cagatcatga gaatgacagt 360
cacagatccc ttctcaccac ttggagcgcac tgtttctatt cccaataaat ga 412

<210> 1728
<211> 384
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 31, 50, 139, 141, 158
<223> n = A,T,C or G

<400> 1728
agatcttctc acagaaaatg tgccgtactg ngatgcgcca acccatgaan caggtaaagc 60
ttccaggata aacccatctc tgctccttcc cacttttaa acatacctgg caacgggtcct 120
ggacatgcac atgtttctnt ntgaagcgca cgttgcanat gagcgacagg ctgaggggcta 180
cagaggagat agacatgcct ttcactgaca tgggcaactg aaggcctggg gaggcaggac 240
gtcctctctt ttccttttgg taggtctttt ggtcttccaa agctgtttgc caatgaagca 300
ccttaccaaa ttggtgactt ttcactctcat gggacataca tagctaaata taaaatgcta 360
cattaaattg atgtttaatc ccca 384

<210> 1729
<211> 414
<212> DNA
<213> Mus musculus

<400> 1729
ctgagtatat gtagcctgag caactctcag gagaaagcga cggaaggagg agcctcgacg 60
agcctggggga caagaggtct acaaatttca tgactgccgt agaaccagct gctcatatta 120
aaaccatgaa tttccccaga accaagggtg aaagccaagc ccaacaaggg cgggtacttag 180
caaaatccat aggtcaccat aggtgggtcc ctgtagacaa gtggctgtca cctgcccatt 240
tagcaaggct aaagagggga agggaaaact gctggagact ctggacaaaa agtagtacag 300
gaagagatta tcagcataaa caggcattaa ataggaaacc gtcactctct gactttttat 360
ggacacaccc ttcttgttta ggaaacagaa gaggatgaga gtcactctgt atca 414

<210> 1730
<211> 247
<212> DNA
<213> Mus musculus

<400> 1730
aagatctggg acatgagtga cgaggagact gtctgaagca agcaaccaca gctcaggagt 60
acctggccct cagcgcagga ctggaccgca ggactgggtga tctgggccct gccacctccc 120
tggtcctgat ctccacatct ccaaggacga ggggtgtacc tctgccaccc agttgcaccc 180
tttcctgtgc catctcacca gctctgaact caataataac cttggcattg ccactgaaaa 240
aaaaaaaa 247

<210> 1731
<211> 198
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 67
<223> n = A,T,C or G

<400> 1731
aggaaactcga agaagccatg atcgggagag ctgcgagcgc tgtataggac tcagcttcat 60

- REPLACEMENT COPY -

ccagcancaa cgcgcattga aactcgagcg ggctaaggcg ctacggaaag tccgtagagt 120
caaaaagatt ttgaacgcga atctctctc ccacctacac atcttcaaga agtgagttac 180
tgggatactg cgcgcgcc 198

<210> 1732
<211> 109
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 26
<223> n = A,T,C or G

<400> 1732
aagactttgc gttactnccc gtgatnccag gacgaacacg ttgaatggac ctttttaaaa 60
agaaagcgga aggaaaacta aggatgatcg tcttgcccag gtgtcgtga 109

<210> 1733
<211> 228
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 26, 31, 35, 38, 41, 48, 53, 69, 81, 102, 104, 112, 121, 133,
146
<223> n = A,T,C or G

<400> 1733
atttttgggc cggagatgcc cattgngcgt nttgnaanct ngatgangt cantaaatgt 60
atcaaccanc gctagaagcc nctggcactc tatgcgtact cnancaatga cnaggcgatc 120
nagaggatga tcncagagac atcaancggt ggatgtgaca ccaatggacg gcattgtcac 180
atcactgtgc ccactttgcc ctttgggggt gtggggaaca gcggcatg 228

<210> 1734
<211> 369
<212> DNA
<213> Mus musculus

<400> 1734
gtgattccct ggactctgtg agctggcagt gcttggagct acacagcttg tgccatggac 60
tctgaggtca gcaacgggtc cggcctgggg gccaaagcaca tcacagacct gctggtgttc 120
ggctttctcc aaagctctgg ctgtactcgc caagagctgg aggtgctggg tcgggaactg 180
cctgtgcaag cttactggga ggcagacctc gaagacgagc tgcagacaga cggcagccag 240
gccagccgct ccttcaacca aggaagaata gagccagttc tttcctgcaa ctatcaagtc 300
attcagaaaa gaggagtcaa gagaggggat gaggtacatt tgaaataaaa aactataatg 360
aaaaaaaa 369

<210> 1735
<211> 403
<212> DNA
<213> Mus musculus

<400> 1735
gtctgagagc accagggcct cagtccctgt aaaatggggt gccattccag caagggcacc 60
gaggtggtag aggagtcccg gaaacctgga gatcacgccg atggaggaga gccgaagggtg 120
gagctctggca ccgaggctgc ggatgacaag gatgcctcaa cgaaggacgg aacccttgag 180
ctgaagaact gaccctcttt cttgggtgga cctcaactt gtccctggaa ctgcctttga 240
cctgtgaggc cccaccctga agagctatcc atggaggaca gaaagagccc tggtaggat 300
gtgaccttca cggggccttg tctctggctt tgggggagat gaaggggtta gcttgaagtg 360

- REPLACEMENT COPY -

ctcagtaaag aggacaaagg actgcttcat tcctcttggg gcc

403

<210> 1736
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 55, 63, 75, 86, 98, 121, 123, 134, 172, 175, 176, 178,
180, 182, 184, 206, 225, 244, 247, 257, 261, 265, 268, 269,
285
<223> n = A,T,C or G

<400> 1736
acttggtagc atctttcaca gctggaagca tacttnaagg tggaaccata cccanacctc 60
cangatcgaa agatnatggc caccanactg aaactganag aggaacaagt tgaggcttgg 120
ntnatccaga gatncttggg ggaggagatg cggacccctt tggccaggct gnagnngncn 180
gncttggatg gtacctcttc tccttnccac aaagccctgt gctgnaggcc accaagctgg 240
aagnacnggc tcattcncat naatnccnnt gagtccttga ccagntgctt aaaggatagc 300
aaaactgtat ta 312

<210> 1737
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 404, 405, 408, 412, 413, 414, 415, 419, 424, 425, 429, 434,
443, 451, 462, 472, 478, 479, 493
<223> n = A,T,C or G

<400> 1737
gggcccctct gtctgtctgc aaggaagaga tggggggcgc agaagacagg accttcccac 60
gggagcagaa cgacttcaat aatgctgtcc tcaaaacagg tcctgttcac cggaagtcca 120
tctgccagcc atagggaaga caaaagctaa ctgggagccc tgatgtccta tagtcaccca 180
gactggaggg aagatgacag cagggctccc atacagagag gaggtgaaaa actcaaactc 240
ttggacagca gcctgacctg agtccaatca agttgtgagg gacagaggag gaggcctcag 300
agtaacaggg ggctccatgt tctttatagc aatcttagac gaagctggga ttcaaattccc 360
cagagtagag ggaggaaatg tgtcaggggt agggggtggt gagnngangc tnnnnggana 420
aacnnctanc tgantgaaac ctncctttgcc nattcatatt tntcctgctg gntcccanng 480
acttgccctg gantatcacc tgtctcactg aa 512

<210> 1738
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 52, 54, 64, 81
<223> n = A,T,C or G

<400> 1738
atgaaagcag gcgtgtagtt gccggcatgc gtgcacatga tgacgtaatc angntctgta 60
tcanaagctc accagatgct ncagcgcaca cgacagccac ggtcccaaca cccagcactg 120
ccacttgctc ctctccagtt ctgtcgggat gccacacgca ctgcccgcc ttttaagatc 180
tgaccggtag cgcggcgcgt cagcctcggg gcgggcccga ttctttgctt ccagccccct 240
ttcacg 246

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<210> 1739
 <211> 420
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 395, 397, 401
 <223> n = A,T,C or G

```
<400> 1739
gtctctgatg ggcctagagt ttggagcgag aactgggaag cagagctcta gaagcatgga 60
gaccataagt gaccatggtc actgtctctt caccatgt ctgcactttt tatgtacctg 120
gcttcaaata ctttagtttc tacttcttgt tgacctactg agaggagggc ataggaaatg 180
aaggactgtg tgtgccctca agatggcggg gctcctgact tggagaagag gaagaggtct 240
atgctgcacg cattggttta tacaagaagt atttggttgc agtactccta cagaacagca 300
ctccatgccc tgtgacagtg tgcttgtgtg agctttccag tgacattcat ggtcagccat 360
agtaaacagc ctagaaaatg agaataattaa aagangngat naaaatcttc cattaggggtt 420
```

<210> 1740
 <211> 356
 <212> DNA
 <213> Mus musculus

```
<400> 1740
ctttgggtag gtctgcgagc ttgcttgggc tggacccaac gcagctcaca gatgactga 60
cccagagatc catgatcctc aggggagaag agatcctgac gcctctcagt gtccagcagg 120
ccgtagatag cagagactca ttggccatgg cactttatgc tcgctgcttt gagggttga 180
tcaagaagat caacagcccg atcaaaggca aagacgactt caaatccatc ggcatccttg 240
acatcttcgg atttgaaaaa ttcgagggtta accactttga gcagttcaat atcaactatg 300
caaatgaaaa gcttcaggaa tacttcaaca aacacatttt ttctataaaa aaaaaa 356
```

<210> 1741
 <211> 404
 <212> DNA
 <213> Mus musculus

```
<400> 1741
gactgagggt tccttacaaa tttgaagtac aacagatggt agaagaacct cagtgggaat 60
tagtggttga aaagacaaga tggataatcg aaaaatacag gcttttctaat agcagcgtcc 120
ccatggatag aatcttttcg cgggattccg accttaacttg tctgcagaaa cttttggagt 180
gtctaaggaa aacactgagc aaagtagcca attgcttcat cgctgaggag ttcttgactc 240
aaatagaaaa tctgttcctt tccaattaca aaagcaagga agagaatgga ctggcagaag 300
aggatagtac aaaggaattg ttcatgtaat tattttaaag taagatgttc taatcttggc 360
atgctactgt aaataattga gattttaaag caatataaaa aaaa 404
```

<210> 1742
 <211> 184
 <212> DNA
 <213> Mus musculus

```
<400> 1742
ggccagttcc tgatcccagc agcatggcgt cttgggctga gccctctgag cctgctgccc 60
tgcgacttcc tggggcccca ctgctggagg gctttgaggt gctcgatggg gttgatgatg 120
cagaggagga agatgaccta agtgggctgc caccactaga ggacatggga cagcctacag 180
tgga 184
```

<210> 1743
 <211> 107
 <212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 32, 34

<223> n = A,T,C or G

<400> 1743

tgtctggatc actatacggg agatgctgcc angngcccca gacgggatca agactccaat 60
gacaaccata agattcccta aagctaagac actgccaaaa aaaaaaa 107

<210> 1744

<211> 192

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 18, 30, 147, 160

<223> n = A,T,C or G

<400> 1744

tttccagggc ttttttgntc caccggagan agcaccacag gttgcccctg gagcactgtg 60
acccccagaa caactgagca cttgacctcc ttatctctag tgtccgtcct gaacgaaatc 120
tacgtgagat gccaggactt ggaaggnggg acttgatctn tgaagactct tgggacttga 180
tctcttgagg ac 192

<210> 1745

<211> 131

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 27

<223> n = A,T,C or G

<400> 1745

acaggatcag aggcactacc antgcanagc accttcactg catgtctatg ggagtggcaa 60
gggttttcct cttacacagc ctttaagggtg acattataca aataaattcc ttactactgt 120
tacacttcaa a 131

<210> 1746

<211> 258

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 51, 92, 101, 104, 114, 115, 124, 127, 142, 181, 190,
195, 202, 216, 218, 242

<223> n = A,T,C or G

<400> 1746

tcctcgggtga cagatncgac gacgcaccgc gtctcccacc ccgcgcgcgc nccatgcccc 60
agaggaaggt tagcgcggat ggagcggcca angcggagcc naancgccga tccnngaggc 120
tgtnggncaa gcccgccctt gncaagggtg acgcgaagcc aaaaaaggcc tttggaaagg 180
nttaagcatn atacnaaaaa gngccttttt atttgnanta ggggtagctg aagggctaaa 240
cnggcttgac gttggttt 258

<210> 1747

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```

<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 101, 106, 110, 112, 122, 126, 129, 130, 136, 137, 144, 149,
168, 185, 194, 205, 207, 212, 232, 237, 266, 269, 284, 288,
293, 296, 309, 313, 343
<223> n = A,T,C or G

<400> 1747
ctgggtggtg gccaggaaggaggaaattat cttcttcttc tgaggaggat gacgttaatg 60
atgatcaagt ctgtaaaaca gccgcgaggg gaccgtgtaa ntgacnttgn anttggtgca 120
tnaganttnn actatnntgg gtgnngggnt agcttaccct agccctancc ctaccctaac 180
cctanccagt atgntgaatg tgggntncaa angttaagaa cactgggttc tntttcnaaa 240
gacttaggtt catttccaac catggntgnt cacaaacctc agtnactnta ctncnaagg 300
atctaattgnc ttntggcttc agtaggcact gcaactgtat gcntgtggta catccatgca 360
ggttaaaaac tcactataaa cct 383

<210> 1748
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 87, 120, 130, 138, 191
<223> n = A,T,C or G

<400> 1748
ttcttctaca caccctgtcc cgccgcgagt ggaggaccca caagattctc tctgatcaat 60
acctgacaca ggatgtgctg gaaaagnccg atcatctgat ggctgcagcc aaaggtctgn 120
ttgctgatgn tcctcgtnag cgcacagggt ttccaaatgt aacaagggtc ccagattcct 180
cacagagcca nactggaata aatcaagacc ctgtcaccca gtctatcctt aatgaatcaa 240
tcatagagcc tcaggctctt aatgaagtcg acgatgcagg ggagcagagc actgctcaca 300
gccagtcaga agacagcgag aatgaattgc ctaactccct cagccagcat tctaacagga 360
gtacagagag gtttcttcac caactaaagg aagagaattc cgagttaatc aatcaactgt 420
ggaccgatat tcagcagaaa atcgctaccc agtcacaaag aactcctcca ggatct 476

<210> 1749
<211> 225
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 65, 67, 84, 86, 88, 100, 113, 114, 120, 148, 169, 171,
175, 193, 194
<223> n = A,T,C or G

<400> 1749
tggggagcgt ggattctttc tncacaccct gtcccgcgcg gaagtggagg accccaaga 60
aagangnaga agaagaagat agangncnac ggagatggan acgatgacga atnntgaagn 120
agtggaaatc cagtcaggac tcctcccntg ggctcctctc tatttctgng nttcncccc 180
ctcatccctt ctngttgtt ccttctgacg tgtcagtatc ctctc 225

<210> 1750
<211> 375
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> 65, 82, 101, 106, 108, 109, 113, 120, 122, 125, 135, 141,
142, 157, 161, 169, 170, 172, 174, 181, 191, 204, 208, 219,
228, 239, 240, 244, 256, 257
<223> n = A,T,C or G

<400> 1750
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagtgccc 60
ccctnggggc ctaggaggcg gngaggagat caaggaaagg ntgaanannt ggntgtgccn 120
cngangattt cacangacag nntgttcttg cgggatncac nctaatgann tnancttttg 180
natgcctgtg nacaaaatga taantaancc caccgatcng cttcctgntg cattctggnn 240
ggtnttggct tagccnntca gggtcaccgt gttatccaga aatggcagcc actggctacg 300
cgtgacgggt caaatgtaca tgtaagtacc aatgaatgaa ataaagacga cgttcctggg 360
tcattccgggc cacat 375

<210> 1751
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 29, 30, 68, 70, 73, 77, 91, 97, 104
<223> n = A,T,C or G

<400> 1751
aactgaggtg gggctctttca ngagcccan n agcccggcga ggatcgcgct tggtcgcctt 60
tcaccccn gn agnggangcc atgggtgcaag nagggtncca gaanagatca tacactcact 120
gcttgccctg acaa 134

<210> 1752
<211> 314
<212> DNA
<213> Mus musculus

<400> 1752
aactgagttc gtcggctgac tggatcatcc tgaacatgga gactctagat ccatttatgt 60
cataccagcc ccttccattt atgcacgaga ggccctgatcc tgcccttct ctatcttgct 120
ccttctctat catcgccctg agatggagcc tgaatgattt tatttacttt gtgggtgtcca 180
atctctacct cccctaccg actggagact ctttgaaagg gctttattgt acatattgct 240
tatttataac ctagtttttc tcatctcccc agagacatct ataaaggttc ttattttgct 300
caacccaaaa aaaa 314

<210> 1753
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 20, 29, 63, 64, 67, 81, 89, 149, 172, 448
<223> n = A,T,C or G

<400> 1753
aagggagagg accctaccgn atctacaanc cagggggcag cacgcctctg ggagaggtgt 60
ccnatnttt tgaacgtcta nccggaggng aatactcagg ctgaaggac ccaactcatg 120
tgcatgtgcc gtttttgctt caagctcant agcaggacct gccccgagcc cnetgctcct 180
tgccctctg tgaggagtta cggagagggc tttgtctcta gagcagaaga gaatgatggg 240
acggcctgat gctgtcatgc tctccactgc acctgtggca gcctcctgag agccaccaag 300
atctgggatg aaggccacac cagccatgtc tgctgaaggg cccagactg agatgactcc 360

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```
ggcctccaca gttagatgtt tatggtgcca gaggtctata ttaaaggtag ctgtctgttg 420
ctaggcagcc cgtttgaca aatcttgnac ataatccaa cttgaagatc aaaaaaaaaa 480
```

```
<210> 1754
<211> 122
<212> DNA
<213> Mus musculus
```

```
<400> 1754
tgaggtctgg gccgaagct tctgcctgtt ccctggcttc tatgtgggtc caaaagatgt 60
gtgtcctcca tattcaaggc tgcagacctc cagattcaga tgaccaaaaga acaagaaaaa 120
aa 122
```

```
<210> 1755
<211> 277
<212> DNA
<213> Mus musculus
```

```
<400> 1755
gactgagctg gaagtgaaac gggctccgag cagggcaggg agccctcaga cagagccagc 60
gaggaaaatg aagctcccaa tcttcatagc agatgcgttc actgcgacag ctttccgggg 120
caatcctgcc gcagtctgcc tcctggagcg cacattggat gaagatgctc atcaggacat 180
tgcaagggaa atgaacctct ctgaaaccgc ttttgtccgc aaactgcaac caactgatga 240
cttcacacaa agtaaattat acatttaaaa aaaaaaa 277
```

```
<210> 1756
<211> 107
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 28, 38, 41, 43, 51, 52, 54, 73, 76
<223> n = A,T,C or G
```

```
<400> 1756
aacgcctgtg ggcccttgt tctgacanat caaatcgngg nngggggctg nngnacaaat 60
ctacccatct ctnttnataa attgactatg ccaataaatt aacatgg 107
```

```
<210> 1757
<211> 290
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 271
<223> n = A,T,C or G
```

```
<400> 1757
agtcaaaaga agcctgggac atccgtgaac aacacgagtg aagcctggga catccgtgaa 60
cgacagagtg aagcctggga cattgtgaac gacagagtga agcctgggac atcgtgaacg 120
acagagtgtc tgcctaacat tcctgtacaa ggttctgggt ttgaaccag caacaaaagc 180
aaaacaaaac caaaaatctt ggaaaatagt gtatcgatgc aaggatttgg gggcgctact 240
gtagaaacac aaccaaccag gtgggggggg ngaatgaata aatttgactt 290
```

```
<210> 1758
<211> 488
<212> DNA
<213> Mus musculus
```

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<220>
<221> misc_feature
<222> 27, 30, 48, 49, 53, 55, 58, 63, 67, 77, 119, 187, 200, 211,
212, 239, 240, 301, 302, 319, 321, 393, 442, 444, 465, 468,
472
<223> n = A,T,C or G

<400> 1758
cccaccgcat aggataaatc tcatgggnatn tgttttttgt gactttgnng ttncngngnc 60
cgnaacnaat cattgtnatc agttactcca aaattttaca gatcacgaaa gcatcgcgna 120
agaggcttac gctgagcttg gcatactctg agagccacca gatccgagtg tcccaacaag 180
actaccnact cttccgcacn ctcttcctgg nnatggtttc cttcttcac atgtggaann 240
ccatcatcat caccatcctc ctcatcttga tccaaaactt ccggcaggac ctggtcacct 300
nnccatccct tttcttctng ntgggtggcct tcacgtttgc caactctgcc ctaaaccctc 360
atactgtaca acatgtccct tgttcaccaa ccnaatggga agaaaatttt ttttgctgcc 420
ttcttttttt ccagaaaaag gnanccatt ttttacaaa cacgnctntc angccaaaat 480
aaaccttt

<210> 1759
<211> 371
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 17, 38, 40, 44, 48, 66, 68, 70, 73, 76, 77, 84, 96, 101,
108, 133, 140, 143, 206, 208, 285, 332, 352
<223> n = A,T,C or G

<400> 1759
ccttgcccgg gtcttttnaga cagcacattc atcctgcntn actngtgnac gttagatgac 60
taccanancn ttntnnttg tcantgtacg ctaaantcct ntgggggngc ctggtcggcc 120
cgtctctcat ccngtcacn tgnccatggc aagattctga agggattatc ggcaaaaaaa 180
gtgtgattgc agcatctgaa ccctcntnct aattgccgcg ccttaagatt ccagcatcac 240
cagcatcacc tctcttttct tcagtgtcat tcataaaagg ctgtnagggtg catacaccta 300
acactttctc cttattgacc cattctgagt cnatttactg aaatgtactt cngaataaac 360
aaaatgaatc c

<210> 1760
<211> 141
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 27, 36, 42, 55, 61, 71, 79, 84, 96, 103, 124
<223> n = A,T,C or G

<400> 1760
tgctacctgc tgaganactg aacctgnctt cctganaaat tncgtgagata gcggncaacc 60
ngtggacttg ncgacctant gctnacagct ctgacngact acngctaaca acttatcaac 120
aaancatcaa gaagcctggg g

<210> 1761
<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 47, 70, 78, 101

```

- REPLACEMENT COPY -

<223> n = A,T,C or G

<400> 1761

```
acctcgtgtg ccacatttgc ctccagcccc tgctacagtc gctcganacg ccctgcggac 60
acacgttctn gcacaagngc ctacacaaac ttcctgcagg ngaaggattt ctgcccc 117
```

<210> 1762

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 22, 31, 38, 60, 69, 78, 105, 107, 108, 109, 112, 145, 165,
179, 203, 213, 219, 223, 233, 235, 257, 273, 284, 290, 311,
314

<223> n = A,T,C or G

<400> 1762

```
gtttcctttt ttgggcactg cntcttggtg ntgatctnac acttaaaatg ccacctagcn 60
attgcaggnc cagggggnga cccccccca gatggaggct ggggncnnnc ancgttagtc 120
aggagccttc atttctattg gcttntacta tgcatttccc aaatnccatc actgtcttnt 180
ttaaagagat agaagttata ttnagtgcaa ctnaccagng aantatcatg ganancatct 240
atcatgtttg gctagcncat gtatgctgga ggnccatca gcantatctn ggttgaataa 300
ataccggaag ngcnttcgag tcaataactc ta 332
```

<210> 1763

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 91, 142, 286

<223> n = A,T,C or G

<400> 1763

```
cgtgcttttg agcagcccag tacatggaaa accacgcccc cctgcgcgcg cagctcacct 60
ggcggaagtg agaggctcct cggcgcccgg nagcgggagt cggtaacttga gagagaagat 120
gtccgggaag ggccaggaag cnggggggatg ccagagcacc tgcaggcgct gtcccgtgt 180
gcgcaggcgc acgccttccg gaggggtccg cttgactggt gggagcagga ccgggggtcag 240
cgtcgcgtct gccggttcat acctcacaca ctaagtcttc gtttgngact ctcatcatt 300
cacatgttcg ctttcgccct caaaaaaaaa aa 332
```

<210> 1764

<211> 333

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 248, 254

<223> n = A,T,C or G

<400> 1764

```
gactgagaaa taatgttcat atttggaccc atgtcgaact tctctgaaga aagggcaacg 60
atgattgcag ccggggattt gcaggaattt gttccttttg gccgagacca ctgcaagcac 120
caccctaacg ctctgaacct tcagcttcgt cagctgcagc cagcctctga gttatgggtc 180
tctgatggtg cagctggcct ggtgggatct cttcaggagg ttacaatcca tgagaaacag 240
aaggtttnat taanattctc atcatacttt tgaaatttag aatgaatacc gtgctaatat 300
aaagctgcct atatgcatgt gagaaaaaaaa aaa 333
```

- REPLACEMENT COPY -

<210> 1765

<211> 161

<212> DNA

<213> Mus musculus

<400> 1765

```
gagcgtggat tcttctcaca cccatgtccc gccgcgagtg gaggacccac aaggctctcc 60
ttggacattc ctgtactctt tgtaggctcc acatcaggtt gcaactcaga actattgtga 120
acttcaagaa ataggaagat ccaagtgaga cccacaaagg g 161
```

<210> 1766

<211> 454

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 22, 26, 30, 31, 32, 39, 40, 53

<223> n = A,T,C or G

<400> 1766

```
ggccttatca tttctgttgn gnctcncctgn nntccttnn acattcccag ctnagatccc 60
accctgttag tcttctgcaa cagctgtgtg ccggctcgaa agcgctggac atcggtgacg 120
ctgtgggtgtg gagctggcca attagcctcc cctcggcggg tgaggatttc cacggtattg 180
gtccagaagt gtcagtgccg cccgaagctg tgagctgagc atcctagagg aatgcgcagg 240
acatgaatga accttggcaa gaagcaggag acgcaataga aagacgtgac ctgaatgatg 300
tgcatcgggt caagagagca gaattggaca gggccagaat actagacatg gtccccagct 360
catgggttta agaccactaa tagtcataga atgtggggct aggggtataac tcagtggggag 420
aagggtttg cctagcatgc atgaagccct gggg 454
```

<210> 1767

<211> 445

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 36, 56, 66, 72, 73, 80, 82, 87, 93, 101, 103, 108, 127, 136, 142, 143, 144, 146, 152, 154, 156, 163, 168, 171, 175, 184, 185, 188, 189, 190, 192, 211, 213, 239, 250, 253, 260, 265, 283, 284, 296, 352, 363, 406

<223> n = A,T,C or G

<400> 1767

```
gagccgtgga ttcttctcac acccatgtcc cgccnggaag tggaggaccc acaagntgca 60
caggangcct tnnnggcttn gntggtnctt gcncgcatgt ngnatatnta tactggacac 120
agagacntac atatcntcag annntngttc tnananagct acntgttnat ntatnacttg 180
attnnngannn cntgggctca aagggacaca ncntcccttg gttttactct ggaagactnc 240
ggaagattcn acngatgten gtcncagaa gatttgacca ccnngccatg ctgctntgaa 300
tgctacaagg gataaagtcc aaagccaaag aggctagagg gccaaagtctg cntaaaatcc 360
tanatgaagc actggggggc gtggctcgctg agaggagtca ggtggnggct gaggacatcc 420
ggcttggaga gaccctgtca gagcg 445
```

<210> 1768

<211> 330

<212> DNA

<213> Mus musculus

<400> 1768

```
cgtggattct tctcacaccc atgtcccgcc gcgaagtgga ggaccacaaa gggctctgctt 60
agttggactt cccaagactg tgtgtggagc tggagattta atcaaaaggc cttaatgata 120
```

- REPLACEMENT COPY -

```
gtgccttgtc agagcacaaa cattccgcag tcccaaggaa aatacaattt aatgcatcca 180
gttaaattgc ctgagaggaa atagtgaata cagctttctt caagtctttc cccctcaggc 240
cattcactaa gaaactgggc accaactgct gggttcttac cctgttttct cacctaaaga 300
atgctaata gcttgagctc gaggctctca 330
```

<210> 1769

<211> 311

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 49, 67, 80, 83, 85, 103, 107, 119, 120, 121, 124, 126, 137,
140, 154, 163, 174, 190, 199, 202, 208, 235, 252, 256, 258,
273, 284, 286

<223> n = A,T,C or G

<400> 1769

```
ttcttctcac acccatgtcc cgccgtgaag tggaggaccc acaagaggng caactggtag 60
ctgggtngga ggcccgscan cangngacct taacaccttg acnctgnagg tggcccaggn 120
naancntggg attgtanatn aggtgctgga ccancatctg ctncctctac cagntggaga 180
actactgttn tagaccanc antaccngc ctaccctctg gccttgaata aaacntttga 240
atgagcagaa angaananta taacgggggc acngtcctta ccantnctga gtaccctgcc 300
gctgtactgc t 311
```

<210> 1770

<211> 134

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 19, 47, 54, 60, 62, 67, 68, 71, 95

<223> n = A,T,C or G

<400> 1770

```
acttactata acccatggna ggggtgccgtg tgtgctgctg cgggctntga gtgntgccaan 60
gnagacnnag ngctctcttt tgccgttttt aaagngaaac atctgatcag cgctcagatc 120
accatctacc actg 134
```

<210> 1771

<211> 279

<212> DNA

<213> Mus musculus

<400> 1771

```
tgagagatgg cctcagaagt cgagggaaca aatccctgtg cgtgaggagt tctttctctg 60
tgggtggagtt gaaaccaaga tcataaaatg tgggcccctgg actaacctct ttgagaaaaca 120
agacgtcagc aagccaaaac agcttatctt catcattccc ggtaagtcca aaagtcacag 180
gttctcaaaa cctctgggtc cagagtgact gccggtaaac tggagaatca caaataaaat 240
taccactacg aatgatgggc acggttacta aaaaaaaaaa 279
```

<210> 1772

<211> 239

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 25, 79

<223> n = A,T,C or G

- REPLACEMENT COPY -

```
<400> 1772
gactgaggag acctctgaan agggntacag acacagtctt tgagaacttc tgctgaaccc 60
atggaggatg gatgtccca ggaagagaag cgggggctca ttgtcccttc catctactct 120
gccctttgca tctctcctac ccaacccttc gtctgcatgc ctcagtacta ctcaggcctg 180
aggacctgag tcagtttcca ggctcatgta aggctttggc ttcaataaaa caaaataaaa 239
```

```
<210> 1773
<211> 470
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 19, 50, 100, 102, 112, 118, 122, 144, 149, 155, 157, 161,
167, 168, 169, 180, 181, 188, 190, 192, 198, 199, 202, 210,
244, 249, 255, 259, 279, 286, 295, 299, 347, 357, 382, 389,
447
<223> n = A,T,C or G
```

```
<400> 1773
gggagtgtat ggggctccnt acccaaggggaggagacggc tggggctcan gaagtgaatg 60
aggatgagaa cacaagcaca gaggagcctg tggatcaggn angcccatca cncggacncc 120
anggagcctt attatgggca tagntctgng ctaangnctg ngctccnnng cacagtcttn 180
ntggcggntn ancgagannt anatctgaan gcctggcttc ctgtttccct tgtgaggcgt 240
tcanatatnc agtantctnc tttcctgggt ggggacctnt ggcagnccat gcaanttng 300
cacacacata gctatgtatg tctccaaaca tccaccagag ggcaggngat acagttnaag 360
aggccttgct tgcacaacac cngcctggnc ctgaagctgt agccccaacc tccgccccatg 420
ctcctccatc ttaagagctg ggagctncag atacaaactg ggggacaact 470
```

```
<210> 1774
<211> 170
<212> DNA
<213> Mus musculus
```

```
<400> 1774
gactgaggtc cccctgctca gccagatctg ctcaccagtg aatcaactaa gaaccctgga 60
tggtgaagag agaggagact atagtaaaga atccagggtat gtagaggaa ctgaacaagg 120
ggtgagggtg cccttaagtg acaataaaaa gagaatgtga aaaaaaaaaa 170
```

```
<210> 1775
<211> 329
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 85, 90, 108, 118, 122, 126, 135, 144, 148, 152, 160, 197,
212, 227, 231, 238
<223> n = A,T,C or G
```

```
<400> 1775
gactgaggag aactatgatc agatgaaagc tttagttagt caacttcatg agcgagccca 60
gtatgtgaga ctaggaggga gtganaaggn cggggcgcggt ctcacatnct aaggaaanct 120
gntccncaca gacanaatcg actntctnat anaccaggn tgggtctagc gctttgtacc 180
tcagcgtgtc ttctgtncct ctggacagtc cnattaacaa atgcttntaa ntttgggntt 240
cttaaaaaaa aaagtgactt gatgaattgc acataagagc acaataaaaag tggccataag 300
ggaaatgagt tttttcagca caaaaaaaa 329
```

```
<210> 1776
<211> 188
<212> DNA
```

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 64

<223> n = A,T,C or G

<400> 1776

ctgagagcct	ctctcttctg	acgacatgcc	cagctgtatc	acaggaggag	agtgttaagt	60
cacnaacggc	gatctccatg	acgacggagg	ggagcggcta	ccaaaatgac	cttccaaagg	120
acggccacct	ctgaatgctg	tgatacagtg	gtaacatggg	aaaataaagt	ctagctatta	180
ggaatgaa						188

<210> 1777

<211> 358

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 16, 82, 88, 92, 95, 157, 163, 166, 179, 191, 226, 250, 300, 315

<223> n = A,T,C or G

<400> 1777

tgtgttcctt	ccaggntgac	aaaacaacat	tgggggtcctg	gtcaatatga	tgaggtcacc	60
cgccacacaa	gagaaaggaa	ancggtnac	gnggncctat	gcaggtagtc	cacatgctag	120
gaacacctga	ggcttccttt	tcagggatgt	gccacanact	agnngnaaag	atttcttgna	180
ctaattgctc	naagaaaagc	actcacagaa	aagtaaattt	accccntcct	taaaagggtt	240
catcacttcn	tattttattt	agagacaaat	acaaatcttt	caaggatctt	tcttgagcan	300
agagatat	ctctnctcat	tttaactcct	aatcctttgg	gactagggtta	aagcatag	358

<210> 1778

<211> 579

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 26, 31, 34, 244, 245, 250, 252, 253, 256, 263, 265, 269, 270, 271, 314

<223> n = A,T,C or G

<400> 1778

cacactttta	cacttttacag	actatnagaa	nagntagagg	ggcgaagtct	aaaaatgaaa	60
ctgcctctga	ccttctgcag	gctgcttagc	aggttaaaca	gattttctgt	aaaagcaagc	120
cctcctgtga	gtttctccac	ttcctcttat	ttgtgtagcc	agaagaagaa	aaactcttac	180
gaagcagtag	accaagcgaa	gtactctcgt	ttagtacgct	ctgtcttgte	cagaggcccg	240
gacnngactn	cnnagncgct	gtncnaggnn	natgatggct	gtatggacca	gtgagtaagc	300
ataaggctgc	agancccgag	ccacaggccg	gagtcaccaca	acactgcttt	cctatcttca	360
atgaagagag	aaccgggaaa	ccacacacag	atgcttcttc	aagccctttg	aagatccctt	420
tgcaaaggaa	ctcgataccc	agtgtgaccc	gcaccccttca	gcagaccatg	ccacctgaac	480
agagcttctt	tttgagagg	tggaaagagc	ggatggttct	ggagctggga	gaagacgggt	540
ttgcagaata	tactttcaag	taattatctt	gcttctggg			579

<210> 1779

<211> 397

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

<221> misc_feature
 <222> 77, 134, 197, 226, 345, 371, 373
 <223> n = A,T,C or G

<400> 1779
 actgagtgac ccatggagag tgttaatggc tatttaaatga agtacaccaa ccttggtcacc 60
 ggggtggcagt acagggnttt tgttttaaac aatgaagctg ggctgttgga gtactttgta 120
 aatgaacagt ctanaaatca gaaacccaga gggactttgc agcttgctggg gggccgtgat 180
 ctctcccagc cgatgangac tcgcacacct tcacagtga tgccgncagc ggggagcagt 240
 ataaactcag gagccacaga tgctagaaga gcgggcagca ttgggaaatg taaacactga 300
 agaaagagta ttgaactaaa aaagcagcaa tctgcattca ggggnaaaaa attgggtttt 360
 tttatgaggg nantttttatt ggggggttga aagaaat 397

<210> 1780
 <211> 629
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 515, 535, 594
 <223> n = A,T,C or G

<400> 1780
 gatgacttga aagtaggggtg gtcttcacca ggctaaaaga agtaatgatc cataacaggg 60
 tgcactgtgg ttctagatct gaatgagatc gcgttcatca ggacttcagg tttctgacaa 120
 cactgttttg agtaatgtat atatggtctc tgtaatgtag aggtacttca gttcagatgg 180
 ggaaagttga gtttgcttta gaggattgca gaactgtgat gtaattccag agaatgcttg 240
 tcaagtccag ctacgctttg gcagatgagg cagtgaagaga gctcacccat ggccactgag 300
 ctgcataatct agctataatt tttagaggga ctataggttg tctgtggact acatgtggcc 360
 ggctacttgc taattaaaaa gggatttcag acatctatgt ggatggtagc catcttagga 420
 cagcttagaa tgtttaggat attgcttttt aaaagcaaag ttttatataa aggttcctat 480
 aatggcccgag atagtaatat taatactgct ttggnttgca ctatgttgct tttgngtgaa 540
 aaatagtgaa ctttgggttt tttgggtcat caaataaatg actttggtat attncaataa 600
 aacctactgg ttaaccttaa aaaaaaaaaa 629

<210> 1781
 <211> 442
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> 185, 325, 327, 329, 331, 340, 355, 358, 363, 365, 368, 369,
 371, 380, 386, 395, 396, 400, 404, 408, 413
 <223> n = A,T,C or G

<400> 1781
 tgaggtcctg agcccatct cttgttagca caaatgccta gaatcaacag acgacacagg 60
 acattgtaag atgctgtgga aagtgtaggc tgttcagaaa accacctagc agctcccaa 120
 aggttcaaca acaacgacag aaggaagagc cacataaccc agggacttgg acctccagca 180
 ctcanaaccc ggcctagacc caaggctctc tggataaggt ccaggtaaac tgcccggagg 240
 acacttctgt tctccggaag ctttcgatgg aggcctcagg aaaaagcaga caagaaaacg 300
 cttagcggctg gcaacaaagg ctatntnant nccaactatn ggaatgttct actgnatnac 360
 ttngnacnng ngcttttcan atttgngcga agagnntgtt tctnttttnt ctnccctgaa 420
 gacatacctg ccccatgcat aa 442

<210> 1782
 <211> 496
 <212> DNA
 <213> Mus musculus

- REPLACEMENT COPY -

```

<220>
<221> misc_feature
<222> 22, 107, 124, 130, 134, 141, 167, 204, 255, 257, 330, 358,
406, 421, 434, 436, 456
<223> n = A,T,C or G

<400> 1782
aactgagcct gtggggccctg gnagtacgta tttgatattg gatgcgaaca gcacggtgaa 60
tatcgccctca cagatacgggaa aagaggagaa ctaggaggag gaggaanaga cattagttaa 120
catngttccn aaangggaaag ntctcaacat cacagaattg gccctgngga ctccaaccct 180
ctccgaggag cagcctcccc ctgnggggcca aggccaggag gaaccgcagg gacttactgg 240
cgtgggtgac ccctnanaag acatccaggc agaagggtttt gagggcgagc tggagccgag 300
ggggggccgat gaagacgtag acacgttcan gcaggagagc caggagaaca gctacganat 360
agaccaggga aacttgaact ttgatgaaga accgtcagac ctccangatt aagatagtgg 420
nggcagaaga ccanaanacac accaggcgtg ccttanttaa caccagtcag ctagggctgg 480
tatccaccac ctgatg 496

<210> 1783
<211> 610
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 19, 22, 49, 80, 200, 203, 209, 301, 303, 308, 312, 313, 499,
521, 524, 570, 574, 585
<223> n = A,T,C or G

<400> 1783
gaaagggcat tggatcccnt gnagctggag tgacaggaag ttgaagatnc aggctattac 60
ggaccaccag ctgtggattn tggcaccaaa ctcaggtcct tgggaagaac agaaatgttc 120
ttaaagactg ggccatctct gcagccctgg gttgttttgt gtctgtgaag caagcatccg 180
accgaccgag ctccatccctn agncacctnc acgctgcttc ctctctctcag cctcctgagc 240
gcctgagttg cttccatgtg ctggctgcaa caacgctgat aaaaaatgag aaaggaaaat 300
nanggcgnga gnnetgtttc ccccttttta ttattttacc ttgtgtgata caaggccttg 360
gaagcaggac ctcatactta gctactcaac ccactgagaa ccatcccaag tcttcttttt 420
actctttgtt tcctcagata ggagctcact aagttgccta ggactggcct ttaattaatt 480
ttatagccaa acaagccgng actttacaat ccttcagctt nggnetccca gtaactctat 540
tagagccctg caccatcaga cccagccttn ctgncctctt ttggntaaag gctgcaagta 600
aaaattgctg 610

<210> 1784
<211> 260
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 177, 227
<223> n = A,T,C or G

<400> 1784
tgaaatgcct gagatctgcc cctgccgaga tctgaactgt cttcctgaga gattcctgaa 60
taaactgccg gcctggcagc ctggaatgac tccaggcacc aagagtggaa ctggcgactt 120
actgctaacg gctctggcgg actagtgcta acaatgtggc aacaaaacat caagaancct 180
ggcatggcag gggatgggct tccccctttt ataacacaga ctgctantaa acattgacct 240
tgaacaggga aaaaaaaaaa 260

<210> 1785
<211> 555
<212> DNA

```

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 166, 219, 223, 286, 300, 346, 358, 463, 483, 505, 509, 515

<223> n = A,T,C or G

<400> 1785

```
gtctggtgca tggagaagan tttgagccct cgttctgttt ttacaccggc tacaaaaatcc 60
ccatatgcaa aaccctggac cagtattttt agttcatcca gtctctgcca tccctcgata 120
acccagaagt ctttgggctt caccccaatg ccgacatcac gtatcngagt aacacagctt 180
ccgacgttct tgaaaccatc accaaccattc aaccgaaana aancggtggt ggtgtgggcg 240
agacgcgcga ggccattgtc tacaggctgt ctgaggacat gctcancaag ctgccccctn 300
actatgtgcc tcatgagggtg aaagctcgtc tgatgaaaat gggtcncctg aactcaanga 360
acatatctct tagacaggaa attgacagga tgcagaaagt ctctcaatcc tccgcagcag 420
cctgagtgac ctaaaactgg ctatcgaagg gacgatcatc tgnagtgaga aattgaaaaa 480
tcnttgggag gggatgtttg atgcncgtnt cctcngcttt gggaaaaaag gtgttctctg 540
ggaatcccc ccccc
```

<210> 1786

<211> 429

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 352, 360, 370

<223> n = A,T,C or G

<400> 1786

```
aagcagctcg gcaatgatgt catctcccag gatccttcca gcccagtctc gtgcaacaca 60
gagcggttag aaggaggggc gacagtgcct aaactgcaac caggtcttcc agaggcccgc 120
tttggttcgg gaacaccaga aaagaatgcc aaagctgaac ccagagtgga tggaggctgc 180
aggtcccgga gctcctccag catgcccacc agcccaaagc ccctccttca gtcccctaag 240
cccagcccct cagcccggcc ttctatccct cagaagccaa gaactgcctc ccgacctgaa 300
gacaccccag actctccatc tggctcctag tcccctaaag ttgccctcct tncacccatn 360
cttaaaaaan gcttcttcgg acaaggagcg tgacggccag aacagctcac agtccagtcc 420
taggagctt
```

<210> 1787

<211> 276

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 99, 113

<223> n = A,T,C or G

<400> 1787

```
tgtaggaaac aatagtttta atgatattat ggaagcaa at taccagcc cttcaccaaa 60
gcccacccct tcaagtgata tgaccgtgcg taaagagtnc atcactgcaa agnatgtcga 120
ccaccgcttc tccaggaaga cctgtgcctc ttcctcagca aagctgaacg aattgcttga 180
ggccatcaag tccagggact tacttgcat aatccaagtc tatgcagagg ggggtggagt 240
aatggagcca ctgctggaac ctgggcagga gctcgg
```

<210> 1788

<211> 432

<212> DNA

<213> Mus musculus

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 253, 259, 261, 266

<223> n = A,T,C or G

<400> 1788

```
aagggtttcct cccagagtcc tctgattcat gcaggaaaaa atctgaggca ccatggaccg 60
tccattcaac tgaatgctta cgggtgactgg ccctagagcc atgtgccctt gacagggttc 120
acagtacaaa agacaacgtg gtttttcatc agggaccaaa caactacacg cgcccagtgt 180
cacctgatac tgtccactgc accgccatca caatgaattt tccagaaact aatacaaaaa 240
attgcttctt tanacactnt ntttgngctt aacctcaata accgtcggga gatggcaaat 300
taacgcaatc caatttttaa atgatgccgg ggcacatggt cttcatccac caggaagcac 360
atctggatct ccatcactac tagcgaatca ccagaataaa ttctcggttc cttcggcgcc 420
gtgcgcgaca ca                                     432
```

<210> 1789

<211> 192

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 34, 97

<223> n = A,T,C or G

<400> 1789

```
gactgagctt tcagtccctg gagatgttga agcntttatg atgggtgcat gccaaactta 60
agctatgcac ctgaagccat agtttcttcc tcaccanaag tgatgggtca gtcgtgaggc 120
agccctccag caagacattg taaaagtgtt tcaattgttt aataaaaggt caagtatctg 180
gaaaaaaaaa aa                                     192
```

<210> 1790

<211> 437

<212> DNA

<213> Mus musculus

<400> 1790

```
gacgtacaga aggggctaca ggaccgaggc cagattcaga gccagagcca gcgggccagtt 60
ttcctgaatg cgggtccaggc tgtgtttcag gaagggccct gcgtctatgc agcgtctgac 120
ctgaggaagg ctggaaaggc ttcaggatac taagtcagct ctgccagag ctgggatctg 180
gccactacg aatgctgtga ctcacatggg tgatgctgta tgcctaagca ctccaggacc 240
tggatccctt gctgtgaggt caacctggga ctgaaaaaga acaaggatca gctcagcagg 300
atgaatgact ggagagagaa ggactgactt gtccttgatc ccattcccaac acctcctgtg 360
gccctgcctt ggttcttcta gccttgccctt ggcctcatgc ccaccctctt aaatggtgta 420
cctgccagtc caagatt                                     437
```

<210> 1791

<211> 318

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 33, 37, 49, 74, 84, 96, 108, 129, 131, 132, 134, 135, 137,
142, 143, 146, 150, 160, 162, 172, 184, 221, 233, 254, 255,
272, 280, 299

<223> n = A,T,C or G

<400> 1791

```
catgagtctg cactagtctg tatgtggcat ttncaanaca gcagatgcna gcaaggcagg 60
cacataaaga ctcnngagag actnaggcat caggcnccac ctcccctnga ggaactgata 120
```

- REPLACEMENT COPY -

```
aacatccana nnanncnatc tnnctntctn ccaccctctn anagcctgaa tntgagcctg 180
tggntgcttc aggccctatg catagagctc ggctgggtgaa ntccaagagg aanaagccca 240
ggggactctt cagnnaactc tccatgtctc anccaccacn aagagagcaa aaccgcttnc 300
tagcatcacc tggaagga                                     318
```

<210> 1792
<211> 330
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 21, 33, 53, 65, 71, 95, 137, 245, 257, 262, 264, 283, 297,
304
<223> n = A,T,C or G

```
<400> 1792
tgcacggaca gaggcttcct nacctgcccc ttntgtgcct actttagagc cancatcata 60
tgcanactct ncaccggcgc cagagacccc agcanaagaa gatactgaaa atatgggtcc 120
tgattgcatc tgattgnact tttaattcta taccagggg atacagggga tataaaaactg 180
gtaaatataa atctatatgt atcattgcct accagaatgc aatttgacca attgtataac 240
ttttncatga gtcatanatgc tntntctcat tgtatgctaa ctnccttatg taatgtnacc 300
aatngcttgc tcacagatct tgacataatg                                     330
```

<210> 1793
<211> 441
<212> DNA
<213> Mus musculus

```
<400> 1793
ggctgcaggt gatgtgagcc aggagccaaa gagaagatca cgcccgactg tctgctatgc 60
ctgtgccctt tacaccggag ttgaaaccta aaagagcatc aacttcaagg aaaaccaaga 120
ccacaaatgt cgtggaagaa aacaaagatg caagtaccat accaattcct gaaaccaagc 180
cagaagatgt taaagacgaa tgcaacatgg aaaatgctga aaatggagaa gccaaagatta 240
tggaggcacc cattcctaaa atggaagctg aggaagtaaa agaacagata aatgaagaca 300
ctgaagaaga tggaggagaa aagaaagaag cagtggcagc agaagccaaa gatgatgagc 360
taaaagcaaa cattcaagat gtggagaaag atgaagatgg aaaaagagca caaagatata 420
ggtgaggagg tggaagacgg a                                     441
```

<210> 1794
<211> 125
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 33
<223> n = A,T,C or G

```
<400> 1794
ggcctcagga ctcttttget ctgtcactct cangatccca gccctggctc cccaaagtac 60
ctctacaccc tccagctttg ccttgacaaa gaaataggga gtccaaagca agtcaaaaaa 120
aaaaa                                     125
```

<210> 1795
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

- REPLACEMENT COPY -

<222> 79, 126, 129, 136, 144
<223> n = A,T,C or G

<400> 1795
cagggcaaac gaggaccaca tggcagaaag gagaactgaa gaatccaaag ccccagtgta 60
cacacatctc ttctgactnt tccagcaaag acgggcctgt ttttccacta tgcccggatc 120
agaacngang gtcattnaggg tcantttcaa cccactttcc tcatgtgcac cctgcc 176

<210> 1796
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 62, 71, 110, 123, 130, 140, 164, 174, 182, 183, 186, 222,
225, 234, 256, 258, 263, 265, 272, 278, 281, 284, 289, 302,
311
<223> n = A,T,C or G

<400> 1796
acactctact ctgatacttc caatttgctg ttcttgctga actctttgga tcttggacat 60
cngaagtgcc ncacgatatt tgttttgtgg gaaagaacat atgtagaagn gtgactcggt 120
atnagacctn accctctgtt acattccata gtgggtttttc tatnactata atgnaccgta 180
tnnngnatca atcgagcgca tggcattgggt gaaaagaatt tnctnaacct taanctgtga 240
acattcttat tggaanancg gcntnccaaa cntatganct ntgngcagnt cactgttctt 300
nggggttccc nagaaattgg agtgggtctg 329

<210> 1797
<211> 393
<212> DNA
<213> Mus musculus

<400> 1797
ctctgtcttg ttcgtcactg tccgtccatc tttgggtcca cgatgcctgt gctggagaag 60
tagatgcagt ctgtgtccag tccacgtgaa ctacgcagccc actctgcact ggccagtaaa 120
ccatgcccaa gacaccatgg accacgaacc taatgcgctt gtttcaacct tacatgagga 180
ccctgtctag gggaggctgg gttctccagc aagaaggcgg atcctccaca ccagcccttg 240
tgagctacat gaggagggag ggcagacagc aggaacttcc ttgaggctgg aaatggagcc 300
taacaaatga gagatttcag cagtgcagaag cctaattaag ccacctgggt cttttggccc 360
accctaccc cagtccattc tgcccgtggg ccc 393

<210> 1798
<211> 208
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 33, 147, 148
<223> n = A,T,C or G

<400> 1798
tactggctca cctgctgact tacactcagc tgnacagccc aagactgcgt acctagtaga 60
tggtactgcc cacggtggac agctgccctc ctacctcaac taacaattaa gacagtagcc 120
tcatggagat gcccatgtct tatttanngc aggtctccca ttgagggtcc atctttcagg 180
tgacctctag ggtctgttag agtgccta 208

<210> 1799
<211> 150
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 87, 126, 131, 134

<223> n = A,T,C or G

<400> 1799

```

tttttgaagc cggaaggttt ggggggatcc ntttgtttgg ggtccatccg ttcaagggtg 60
ggcttcccgt taaaactttt cacgttngac atcttcctcc tcgggcgggt gggggaccac 120
cggctngcct nttnttcgga aaaaaaaaaa 150

```

<210> 1800

<211> 133

<212> DNA

<213> Mus musculus

<400> 1800

```

gagggctcct gcaccaggaa agaacaatca gaggtaaatg atgtgaggag gtggatggag 60
gtaccaaca cctgtcagtc tccttaatca gcctgtatct atattaaaga cactccctg 120
ctaaaaaaaa aaa 133

```

<210> 1801

<211> 229

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 139, 149, 163, 165, 169, 172, 179, 185

<223> n = A,T,C or G

<400> 1801

```

actgaaaaag gaaagaacaa gaagaggaag aggaggagga ggaggaagaa aagctgcact 60
tttcttccca gcactgcaaa ggcagaggca gaaggatcct gagttcaagg ccagtttagg 120
ctacataaaa agttatganc tactctggnt tacggagtaa gananactna gncctccant 180
atcctatccc cccaaaaaaaa gcaggagcaa attctgatca aaaaaaaaaa 229

```

<210> 1802

<211> 187

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 120, 124, 143, 144, 158

<223> n = A,T,C or G

<400> 1802

```

cgaaaatcag atatccagag atcagaaaat gataacatct gaggatcggg tccaagaagg 60
gaaaaaagtt gtgaaactca aaacagaagt ggctgataaa gaaaatattg aaagtacagn 120
tganaaaac tgcattccat tgnnagctgg agaagtancc agctcagaaa tacataattc 180
aaaggat 187

```

<210> 1803

<211> 164

<212> DNA

<213> Mus musculus

<400> 1803

```

actgagagag gatggctgcc tttggcgagg ttagaagcac cgctggaag cccatcgctc 60

```

- REPLACEMENT COPY -

gggaggtaga gttaggagtt caagggtcatc ctttgccaca cagtgattct gaggccacct 120
tgagctacgt gggaccctgt ctcagaataa gaccaaaaaa aaaa 164

<210> 1804
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 40, 42, 46, 48, 52, 68, 70
<223> n = A,T,C or G

<400> 1804
aggccccgctg aaattagtag ccnaaaagaa ggactcaggn tntcantnCG gncttcaaaa 60
aacaagcNtn tggggaactg gagctggagg gagctaagct ggctggagat gatttgcatt 120
taaagagaaa gtagccctct ttggattccc tgggagcgga gccggaggag agtacttccg 180
ttgattttaac agttcccctt tcctacctcc cacaagaact aaaggagcac tgttagttac 240
cgggaaaaaa aa 252

<210> 1805
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 25, 91, 102, 138, 163, 171, 175, 176, 200, 204
<223> n = A,T,C or G

<400> 1805
ccctcgctaa cctgagtgat tctgnaacta cacaagctgc atttgggaga aggagaagtg 60
tctgggaagg ggccccgaac agaggaagaa naacagacgg anaccacggg gaactgggaa 120
ggagcaagtg cggaggcnat cctgaagctg ctgaggaagg aanatgggtg ngctnnccctc 180
aagctctttt gctgcataa tgcnCGgaaa atatgagagg atcctgaaa aattctcttg 240
cagagagcac at 252

<210> 1806
<211> 298
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 34, 55, 75, 99, 100, 109, 132, 167, 171, 190, 195, 197,
210, 212, 219, 221, 229, 234, 237, 239, 240, 241, 242, 251,
264, 277
<223> n = A,T,C or G

<400> 1806
gttcaggct ggtcacgggc agcttccctc antngatgaa ctatgatatt gttgntacct 60
gaaagaaacc ctctnctccc taagttgttt tttggtcann tacgctggna tagtttgatt 120
gtcaaccgtg angccgagct ggagtcattg gagaagtggg aaccccnagt nagaaaaatg 180
tctccattan tatctnngct aagggttgan cnagccttng nggagcaant actngtnann 240
nntcaagtaa nctcccctcc gtgncctctg taacatnctt ccctgggttt caaatctt 298

<210> 1807
<211> 230
<212> DNA
<213> Mus musculus

- REPLACEMENT COPY -

```
<400> 1807
gagtcagacc ctggaagcaa ttgaagacat gcatgagaag tccatggagg gtttcatgaa 60
catggagacc aacaactacg atatgctttt tgatgtagat agtgaagaga cattatgaag 120
catactctga agtactcttc tcctttccca tcttcagact aatgaagcat acatatttct 180
cacttgctgg tacattgtaa ccaaataaaa aattcactaa caaaaaaaaaa 230
```

<210> 1808

<211> 446

<212> DNA

<213> Mus musculus

```
<400> 1808
agggaacttt caggagcctg gccgccgcgg gagaaagctt gtcgtgggtg acttctctgc 60
tacgtgggtg ggacttgcaa aatgatcaag cccttcttcc attccctctg tgacaagtat 120
tccaatgtgg tggtccttga agtggatgtg gatgactgcc aggatgttgc tgcagactgt 180
gaagtcaaat gcatgccgac cttccagttt tataaaaagg gtcaaaagggt gggggagtgc 240
tccggtgcta acaaggaaaa gcttgaagcc tctattactg aatatgccta atcatgctct 300
gaaaagtgtg accagctacc agctgtttta aacctgtacc ttttttaatt tgcaaaaaac 360
tatgaagtgt ggagagtcta taccacaactg ccactctgatt ataaatgaca ataaaatatt 420
aattctaccc tttttaaaaa aaaaaa 446
```

<210> 1809

<211> 193

<212> DNA

<213> Mus musculus

```
<400> 1809
tgagtgtaca ttttgaacg ggaaaggaag acgaacacgg atgccgggtg tcaggcagtc 60
ctggccgcgt gctgggctgc gctctgctgt tgctgcctcc tggacagctt ggactgagta 120
gccaagaccc agttctctcg cagccgctgc tcctgttgct gaataaacia ctagtgttac 180
acaagaaaaa aaa 193
```

<210> 1810

<211> 278

<212> DNA

<213> Mus musculus

```
<400> 1810
agccaatccc agacctgctg taccaccgat gtggaaaggc atttaacctt gctacacact 60
cccctgcttc ctgactagct tggttgcccc actccctcac ccacctcctt tccctccat 120
atgaagctgg gaggggtgga attaccacag aaggagatca cccagagatg cttgtcagac 180
actcaggcaa atctaaccgc agctccctaa gggagacagc acccgagctt gaaggatccc 240
ttaaccaga gctcaatggc aagcacgggg ggggggggc 278
```

<210> 1811

<211> 328

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 37, 46, 48, 66, 99, 109, 116

<223> n = A,T,C or G

<400> 1811

```
actgagcccc ggtcttgcag gcagctgagc ctgctgnccg cagttnntng gaaacgtgtg 60
agcggnggct gaagccccac cacctgctgg accctcagna tgaaggaanc cctggngctgg 120
atcatggttc accagaatgg agtgcacaga ggcttccagt cgctcttctc catctcccag 180
gcaggaggac agatgcaggc aagctaccac tggggccaggg acctggctcc cagacgcccc 240
ctgctggacg tcctcctggc cctactctcg gattcctgcc cctaccgcag gcgtgagcag 300
gtactgcgtg agatgccagg acttggaa 328
```

- REPLACEMENT COPY -

<210> 1812

<211> 321

<212> DNA

<213> Mus musculus

<400> 1812

```
tcgaggggaga tgagaactca cctaccatct gaaagtctta aggtttgctg acagacaaaa 60
ccgggctttg aatggagcgt gaactcctga ggcgagcatt ggcccgagag agccgaggat 120
gcagggtgttg gtctgatctt gatttcagggt acttttggaa tacagaatac cagatgtggt 180
cctgctgccc agccccacaa ggctatgcag aatgcaaaga agagttactt tttggctggg 240
gagtagtggt atcatgtgca ctattgctgg aaataataaa tattggccta tctgtagaaa 300
taaaaatctg actaatgata a 321
```

<210> 1813

<211> 285

<212> DNA

<213> Mus musculus

<400> 1813

```
gcctcacatg agtcaccgtc catgctgccg tgtgggctcc tgcctctgga ctttggctca 60
ttttccatgc ctgagctagt ctgtaccaga tgctggcagt ggggcatggc agagctcggg 120
agagctgaat tgattgcca acccttcacc tgtgccatct cttgacaatt gttactggaa 180
agcctgccct gtcacccctg ctttcagttc ttgtggctct tggatgaaag ttctgctatc 240
ttgtgcccc accccattaaa ggactgcctc ccaccaaaaa aaaaa 285
```

<210> 1814

<211> 412

<212> DNA

<213> Mus musculus

<400> 1814

```
gatcccggga accccaaacc acaaagggca aagacagaag ccgctgaccc accagctgag 60
agtccgaccc ccacctccga cccctgaggc tgagcaagac gaggctgagc agaagctggc 120
ctaacacaca cctcagccat catctgattt agtgatctaa gaagagattc ctcaaagaga 180
agcggattcc tcaaagctgt cctttaagtg tcacacacac tgaggatagc tgttgagaag 240
gctgatctga ctccatgaca ggcttcacac tggcagttca ggagacaagg cctaactctg 300
tttccaagaa ctgagcaagt ccaggcaagt cccaggcctc agaagctgcc ctggcctgag 360
gcaaggacaa cgggtcagca gcagtttcca gacttcccag aaacagtttt cc 412
```

<210> 1815

<211> 185

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 85, 161

<223> n = A,T,C or G

<400> 1815

```
gggaccaaatt tcaacttgga aactccttca ggggaaactc tgccatcatt caaggaggaa 60
aatggcaatt ttcacaggat tcagnatctt tctcgtcttc ccttaccttt tacattaaca 120
tcacagttaa ttttgtgttt tgattcttaa aggaataaag ntaatggaaa tggcaaaaaa 180
aaaaa 185
```

<210> 1816

<211> 322

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

```

<221> misc_feature
<222> 37, 63, 64, 115, 126, 128, 139, 140, 160, 163, 171, 172,
174, 181, 191, 197, 202, 212, 229
<223> n = A,T,C or G

<400> 1816
agctgcagac aggaggagca gcgagcggtc accaggntct acgtgccatg cattcacatg 60
acnnccatcc tcatatgcta accagcttct ttaagatgta tggagtgact cgcancgggg 120
ccacgnanat gaggaactnn cgaatggaga agaccacatn ctngtgcacn nngnttcacn 180
nccttcgggt ncagctnagg cncgagaccc tngatccgga acattgcanc gtctctgcct 240
ccaaagcttg caagcagcag cctgctctcc tccagtggcc gccctgcacc cggaaccaat 300
aaataaatct taataaaaaa aa 322

<210> 1817
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 341, 353, 364
<223> n = A,T,C or G

<400> 1817
agaatgacag aagatgctct ggcgctgaat cttttgaaga ggagtgttga cccagcagat 60
gagcgagatg atgttctggc aaaacgactg aaaatggagg ggcattgagg catggaacgg 120
ctgaaaatgt tagcactgct caaaaggaaa gatttggcaa atcttgaggt gccgcatgag 180
ttacctacta agcaagatgg cagtgggtgtc aagggttatg aagagaaact taatggaaat 240
ctcaggcctc atggagacaa caacaggact gctggaaggc ccggcaaaga aaacatcaat 300
tgatgagcct gtggatattg agtgctagac gggaggtatg ngaacagttt tanctgcctt 360
taanggattt ggtcgtctt aaaaagt 387

<210> 1818
<211> 160
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 36, 40, 47, 52, 75, 88, 95, 108, 115, 122
<223> n = A,T,C or G

<400> 1818
ccccccccc agccaaagca gggcatgttc catgangacn ggatcanctc anttgagggg 60
gcaaaaaaag ggganccttg gctggttntt atganaaaaa cttctcgnat ctggnccttg 120
anaaagaaag gcctttatag acaattgggg gaacatacaa 160

<210> 1819
<211> 121
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 23, 75, 91
<223> n = A,T,C or G

<400> 1819
ttttcacatc cctgaaaacg agnctccctt ggagccaaag acttaagaga attggacaca 60
aaaaccgca aagangtgga atcaacagtt ngtggggcaa gcaaaaactt gtccttcttg 120
g 121

```

- REPLACEMENT COPY -

<210> 1820

<211> 384

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 24, 58, 79, 96, 104, 114, 148, 168, 227, 233, 243, 255, 256, 259, 279, 283, 284, 285, 299, 303, 321, 352, 367

<223> n = A,T,C or G

<400> 1820

tgctgtgacc	tgatagcggn	tcgngagcac	atgggaaggg	accccgccag	ggcggtngc	60
cctcctcggc	gctggccgnc	ggtgctcaag	cacagntcat	cgtngccgcc	cganagcgcc	120
caagtccaag	gctaccgact	tcaaccgngg	cgtacatta	ccattgcngc	ttctggacgc	180
ctaccgcacc	acccggcttc	caggctacca	acttcgggcg	cgcggtngca	aanaaagtca	240
acngcccatg	attgnnaana	aactggaagc	cacctgggnc	tgnnnaatga	atatcattna	300
cgncaaacct	tgacttcaaa	ngtcgccggc	ccaactttaa	caaagcttgg	cnaccatttt	360
ttccttnttg	ggctttttta	cctt				384

<210> 1821

<211> 620

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 42, 270, 507, 516, 534, 554, 562, 569, 570, 594, 597, 599

<223> n = A,T,C or G

<400> 1821

ttggtgagcc	gagagggatc	aggtagaggca	agtatggggc	angctgttga	ggagactttg	60
ggctctcact	ctcggggagg	tgatggatcat	tcctggaact	cctcccccca	caccagcct	120
ttctcccat	gagctcatca	cctcttcac	ctatccagg	taccacggcc	cttaaggcag	180
ggcagccttg	agctggatgt	ggctgcttgc	aacttgctctg	tgctgttttt	taaaattggg	240
acagggcttc	atgtagccca	ggttggctctn	cagctcactg	tgtagccaag	actggctgtg	300
gacttccgat	cctcctgcct	ccacttctgg	agtgccagta	tctgtatcac	aggggtgtac	360
caccaccacc	tgtcttgaaa	attgccatga	atgacatagt	tcacatagcc	atgggtggcc	420
aaggacactc	ctgggtactc	ttactgcac	ttcccttgaa	ggactttgct	aaaatcctgt	480
ggagaaataa	gaaaaatcca	atacgggaca	aactgnattt	atatgtgtct	gtgntgtcaa	540
tgagggggtc	tgtnacctcc	tnttccaann	gtgggggtgct	gtctgacctc	tttnttntnc	600
aagcccacgc	caccgcccga					620

<210> 1822

<211> 260

<212> DNA

<213> Mus musculus

<400> 1822

ctaggtgagc	agtggactcc	cattgagcct	aaacccaagg	agcggccaca	ggttggaggc	60
accatcaagc	aaccacctac	caacccccca	ccccggccac	ccgagagggt	ccgaaagaag	120
ccgagtgagg	gtgaagagga	ggcagcctca	gctggaggac	cccaggttaa	cccaatgccca	180
gtgacagatg	aggctcgtgtg	accttcagtg	gctgtctaca	gctcctgctt	gagtttctgt	240
ggagttgtcc	ccccccccc					260

<210> 1823

<211> 593

<212> DNA

<213> Mus musculus

<220>

- REPLACEMENT COPY -

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<221> misc_feature
<222> 26, 32, 36, 39, 55, 56, 57, 81, 87, 94, 103, 121, 122, 138,
141, 155, 182, 183, 185, 197, 203, 206, 216, 221, 224, 231,
253, 259, 282, 286, 297, 298, 315, 318, 331, 334, 348, 349,
364, 397, 402, 404, 421, 432, 458, 464, 476, 483, 517
<223> n = A,T,C or G

<221> misc_feature
<222> 524, 528, 534, 540, 547, 553, 555, 562, 567
<223> n = A,T,C or G

<400> 1823
caccacagaa cggagatcga tcattentcaa anattncnt gagtgaccct gcctnnnagc 60
tatgtcgata actggctagg natcttnata actngttcag atntgaatgt gctggcccca 120
nnctcagaat ggaggtcnga nactctggat gaganctgtt ccacgtgttg aaggaagggc 180
anntngctca agattcntcc aanacnacct gatcanggcc ntcnagaact naaagccctg 240
ggctctggat tcngcatcnt ccctgtggga gcactacctc anccantctg ttccgcnnag 300
ctcaatatgg atcanctntt gtgctgcagc nggncgacaa aaacggtnng tgaccgtcag 360
tganatccca ccagtccttaa tgggagaccg aacgacncgg cnanttcttg aacacctgct 420
ngatggaaatg ancggcctgc gttggatctg ctgctccnag ggangccccc ctactngctg 480
cctctctttt tactcagaac tctaccccaa ggagatnttt cctnaagnag ccanagaaan 540
cttcccntga atnantttgc angggtnaaa ccaccaggcg caacaatcct gtt 593

<210> 1824
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 16, 17, 36, 75, 86, 94, 97, 102, 114, 169, 172, 179, 185,
222, 259, 270, 281, 295, 331, 336, 347
<223> n = A,T,C or G

<400> 1824
ctccgatgag acgccnngtt gtacctacgc tctctngact tgggttgatc tgactgtctg 60
cttgggtatc acggnatgaag acatgnctgt gtctngcgt antaatggac tcgnccgtct 120
ggacaactat cagaaaactc caagcccaca catctgaacc tactggcant ancctgaang 180
atacngcacc tgggagccgt tgaaaagggt ggattgtctg anaacctgga tctgtttggc 240
tgtgaagtcc taaccggant gattaccgan aactgtcttc ngctcctgcc cactntccat 300
ctggatggct ataacgagaa gacaggaacc nctganccat tggagtnata tgtaaagaac 360
cccgacccaa atggacagtg gatggttgga ctgca 395

<210> 1825
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 378, 387, 404
<223> n = A,T,C or G

<400> 1825
ggtttgccag aatcaaaaat gtgtagcaga cactttcttg ggctatgatt gcaacctgga 60
aaaatgcaac caccatggtg tatgtaataa caagaagaac tgccactgtg accccacata 120
cttacctcca gattgtaaaa gaatgaaaga ttcatatcct ggcgggagca ttgatagtgg 180
caacaaggaa agggctgaac ccatccctgt acggccctac attgcaagtg cttaccgctc 240
caagtctcca cgggtggccat ttttcttgat catcccttct tacgttgtga tccttgcctc 300
gattgggatg ctggtaaaag tctattccca aaggatgaaa tggagaatgg atgacttttt 360
aagccaaaaa ccatttttnaa agtgaangtg aatccaaaga ctantctgga cagattccac 420

```

- REPLACEMENT COPY -

421

a

<210> 1826
<211> 234
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 28, 30, 37, 46, 56, 57, 65, 82, 83, 88, 89, 114, 130, 135,
149, 174, 180, 186
<223> n = A,T,C or G

<400> 1826
agacacaacc ccttccccgg gatccagntn cactccngta tctctnataa tccgtnnngct 60
atcanaaaacc gagatgaact gnntgaanna caggacttcc atagttcgtt catntactcg 120
acccagagtn ccttntccag gttattgtnt accaatttgc gacgttccat ctcntgctgn 180
ttctgntcac caatgaagtc atgccgctgc aggtatcagc tctaaaaaaa aaaa 234

<210> 1827
<211> 332
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 65, 112, 172, 173, 187, 191, 204, 243, 247, 258, 290
<223> n = A,T,C or G

<400> 1827
cctagccaga ctggcttaga ccatccgcca ctgagttgga gccacctgct gtgctgattc 60
tcatncatct cctttgatat gccactacct gcctgaggct taaccggctc tncaagatct 120
tccggagtta gctgcgaact gtgacacctac taaactgaga gttcctacta annngctgat 180
ctgacancctt naaaggaact ttgngtgacg ggggaatgggc ctcccctctt ctttatagag 240
cangttngct gacattanag ttgaacctga gcaggaaaaa cccaacaaan tggaacaata 300
aattcctctt gctttttgcat tgattcccaa aa 332

<210> 1828
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 342, 345, 368, 378, 392, 406, 415, 480
<223> n = A,T,C or G

<400> 1828
actgaggata tgacattaca actgccgctg ccagcaccac agagtaagca gtccagatag 60
ccgccacccg agggctcgcg agcgtctgcct ccacttgcct gatgctggca gtggaaccca 120
ccatggatgg ggacttccct ccacatgagc tcccaccccc tggagggtggc atccagctac 180
agaaccgact cctgcactgt ccttggtggg gcagtttctc accgtctttg taccacacct 240
tctccagtga aaaccaacag ttctgtgggtt ccacccatt ccttggtggc cagtcttgcc 300
ctgaaaccag ctacccacc acaagccacc gtccccagct tnttntccaa gaacaagcga 360
cttttctnaa cttctgnaa aggggaagcc antgctgggg cacgtnaaac ccgangctgg 420
agccgcaatg gtgaactgaa caaataggga aaagctgaac acaacaccca tcaacactgn 480
atgggtggga gcaaactt 498

<210> 1829
<211> 377
<212> DNA

- REPLACEMENT COPY -

<213> Mus musculus

<220>

<221> misc_feature

<222> 132, 138, 145, 163, 165, 170, 222, 244, 246, 288, 328, 335,
355, 361

<223> n = A,T,C or G

<400> 1829

```
tgtttttctc ggacagaccg attactcaga cacaaacgga tgtgccaagg atgccagtcc 60
aagacttctg aagggcagtt ttctctatag gcacaagggg ccctaggtgg tgggagtgc 120
gaggagaggc tntggaanag catanccctg tggtctgacg gtncnaccan cactccctct 180
gaacctgtcc cccttcctag aggaccagcc ccagggttagc anaagagcgt ctgaggacat 240
cggntncaaa gcccgaactc tgtaaccagt ctgaggctat gaggtatncc agggacacct 300
gcagcattct tgggcaaggg agctggtntc tgaanctcag ctgagatgag gtgngactt 360
naaggtgcaa tgaccaa 377
```

<210> 1830

<211> 216

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 122, 157, 171, 174, 187, 200

<223> n = A,T,C or G

<400> 1830

```
atcgaaggat tccttcagtn acattcgact agatgaatgc cagggacccc cacttcagt 60
ttgcctgacc acctcacccc ctattccagc cttgttgac tccggaaact tgagtcccct 120
gntgtcctgg ttcctccaac tctgggaact ttgctcncca ctcttaact nagnagacttt 180
gaacctnaat aaatcctggn cccactttt aaaaaa 216
```

<210> 1831

<211> 359

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 27, 74, 82, 101, 119, 121, 129, 133, 134, 135, 136, 144,
181, 311, 333

<223> n = A,T,C or G

<400> 1831

```
ggaggtcact gacaatgtca tccacancat ctctgatgct gttacccatg cggccaacgc 60
ctgggatgac tgtngacagc tngcctgtct accagcatgg ntggcccttc ctgacggtna 120
ntcatgagng tgnnnngtgg ccgngtatat tgactgggtg agttctcaga gctgccgcat 180
ntgaagctat cctgcagtta tggatgacgac gagccagttt acttgacaat gtgtcctcat 240
ttacattctt ctgtaaagaa aataagttca taggctatgt gtgtgtgtgt gtgtgtacac 300
atatatatgt ntatcattgg taaaagaaaa ccnatgcctg aatctacact gtaaactctg 359
```

<210> 1832

<211> 401

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 364, 382, 385

<223> n = A,T,C or G

- REPLACEMENT COPY -

```

<400> 1832
ccacaggctc ggccaggcca gcatggtgga ccacctgctt ccagtggacg agaccttctc 60
gtcaccgaaa tgctcagtgg gttacctagg ggacaggctg gccagccggc agccatacca 120
catgttgccc tcgcccattc cggaggatga cagcgatgtc tccagcccct gctcttggtg 180
cagccctgac tcgcaagcct tctgttccctg ctacagtgcg ggtccaggcc ctgaggccca 240
gggcagcatc ttggatttcc tctgttcccg ggccacactg ggcaagtggg gtggcagtg 300
aggtattgga gatagcagtg gccctgtgac ctgggggatca tggaggagag ccttttgtgc 360
cttntaaagg gaggaacatt cntgnttccc tgaatttctt g 401

```

<210> 1833

<211> 402

<212> DNA

<213> Mus musculus

```

<400> 1833
actgaggtaa ctggggccct catcttgttg tcatgaggag ttgtaacata ctcaagtggg 60
aactcgagtt gaaacgctgg tgtcctggcc tcaaaactct ttcttatgtt ggcagccaca 120
gagaactcaa agcaaagaga caggagtggg ccgagcccaa taacttccac atctgcatca 180
cgtcctataa gcagttcttc aggggctaca ctgccttctc aagggtgcac tggaaatgcc 240
ttgttgttga cgaaatgcag aggggtgaagg gcatgactga gcggcactgg gaagccatct 300
tcaagctgca gaggtctgac tgtacccaag tgttctgtct tcaaactctcc agctgttctt 360
acctaaagat tcattaaaga aatttaaatac attgcataca ta 402

```

<210> 1834

<211> 240

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 73, 84, 91, 93, 102, 106, 108, 115, 121, 125, 135, 152, 179,
183, 185, 187, 189, 202, 206, 208

<223> n = A,T,C or G

```

<400> 1834
gaacctgggc ttacagttcc tctacatga ccgagatctg atcagccaac ccgcgcattg 60
ctttttgtgc ctngcactgc agtncagggg ncntttttat tntccnanac ttatnactca 120
natgntaccc ttttntgatg ttcttttcgg tnaaggaggc catgtttttt ggcaagggna 180
ccnchnangna gcaactcgta tnattnancc tgaagaaaca cagtttatat aaccgtagtg 240

```

<210> 1835

<211> 335

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 38

<223> n = A,T,C or G

```

<400> 1835
gaggttccctg atgtgagagg gtagcccccg atcatggnag gtgcttcagt gcgatggctg 60
tgacttccga gccccatctt acgaagatct caaggcacac atccaggatg tccacacggc 120
gttcttacag ccaactgatg ttgccgagga caatgatgac gagccactat ctgggtccat 180
gaatgctagt aatcagacag aggtggagtt ctcttctata aaggatgagt ttgtgattgc 240
agaggattta ccaggtcaaa gtgcaactgc attggggagc ggaggttact atggccacag 300
tccaggatat tacggtcagc atattacccc taatc 335

```

<210> 1836

<211> 266

- REPLACEMENT COPY -

<212> DNA

<213> Mus musculus

<400> 1836

```
ggagaaataa aaacagaaag atctccagaa agaagccatg gtaagattca aggtttcaca 60
gtccaagcta atgcctgtgg acacttgacc aagtgatctg agaaaattgg atttctggca 120
aaacaagtgt acctagactc aggcaagggg ggagaacaga gggcgactag attaaatgga 180
aagaatgccc aggcatccca ttgcctccct ttgacgttcc agaacttcat caagacagtg 240
atgagctaca tgtacacctg gaggag                                     266
```

<210> 1837

<211> 238

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 20, 21, 29, 42, 55, 76, 82, 102, 103, 128, 142, 147, 172,
189, 193, 194, 202, 211, 220

<223> n = A,T,C or G

<400> 1837

```
tgactatttc cagcgtgctn ntttctccna aggggcggtt antaacctgc ctctnaagag 60
tgccttcccc catggttcct tntctaaagt cccctgcccg gnnccccag gggctctgcc 120
aaactgtntt gccccattg tncataanaag gacgctactg ttggccgggt tntgatagaa 180
cattatgtng tcnnaggcaa cnttgggggg nccccccan aggacttttt attaaaaa 238
```

<210> 1838

<211> 281

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 31, 35, 45, 133, 137, 141, 211

<223> n = A,T,C or G

<400> 1838

```
tataagtttg ggggtgaactt caggggaccag ncctnacaca ccganggatg ctccctcccc 60
ccagtcttgg aggcaatctg cacagagcca gtctgcacac cagagaccag aggccgcagg 120
tcaagctccc ggntgtntaa nagggaggtc tccagccttc tgaattacac gcaggacatg 180
acaggagatg gaaacagaaa tgatgaagta natgatggga atggcttctg atattttaat 240
gccaaagctc acccgtgaga ccaaggacac caggacgcgc t                                     281
```

<210> 1839

<211> 164

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 21, 31, 32, 36, 40, 45, 47, 79, 82, 86, 100, 115, 117, 127,
139

<223> n = A,T,C or G

<400> 1839

```
ccctgctgga tggatccaac ntgggtcttta nnctnttgn acccntnctt gtcaaacagg 60
atctgtggta tagctcggnc cncatnattt taataccctn tactacatca cagtnangaa 120
atcaagnccg tacgaatcnc accttcgtta acctcctagc gtca                                     164
```

<210> 1840

- REPLACEMENT COPY -

<211> 220
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 35, 95, 96
<223> n = A,T,C or G

<400> 1840
ccctccccc cctgaacctg cttactcacg ggtgnagctt gccgctcaat cagttctgcc 60
acagcccact gctggagctt gccgctttgc tgttnngaag ccatcacgtg ttcacctgca 120
accttactcc tagattattt ggcggggaatc ggccccctccc ccttccttca taacggagtg 180
ctggaatagt aaaaattgaa ccttgagcag aaaaaaaaaa 220

<210> 1841
<211> 125
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 22, 24, 35
<223> n = A,T,C or G

<400> 1841
tcagaagcgg accacgattc gntnttcttt tgtancagct tctgaagaca aaaagcagct 60
taaaatctaa ctaaggaata aaaacactgc ttactaaata aactacttgt ctctaaaaaa 120
aaaaa 125

<210> 1842
<211> 243
<212> DNA
<213> Mus musculus

<400> 1842
agatgaaagc acagtgggtc tattctgctc ttgaacagtt caggaagagc catctgcaat 60
actgacatca tcagtcacct attcacccag ctgaccgaga gaccaaccct tgaagaattt 120
ataaaaaaga caaccgagca ataacaaaga ctaataagct aaatcaggct ggagagattt 180
cagactgtga aaagcagatg gttaaattag atctgttggg tcttggtact aaataaaaaa 240
ata 243

<210> 1843
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> 32, 36, 59, 80, 90, 92, 93, 101, 106, 119, 128, 146, 149,
151, 155, 162, 169, 183, 185, 210, 236, 239, 241, 244, 251,
258, 259, 264, 265, 274, 277, 280
<223> n = A,T,C or G

<400> 1843
gatatggctc tgaagcccat gaacggaagg anaaanggga tcaacgcctt gtgaagaanc 60
ccctatagtc agaaaactgn ccacttgcan anntgagcga naacangcag cccctggang 120
tgggcagncc agggcaggat gcacancnt nttngatga anggactang aagggccctt 180
tgnanccctc caaacaggtg tgctcccan aagggggggc gctcccagcc agccntgnt 240
nccngaactt ncctatcnng ccnnccttc aggnccntgn cgtccagtc agccagcccc 300
agggggccct cccagcccca gggcagccct gccagcccca gcggggccgc ccgggtcagc 360

- REPLACEMENT COPY -

```
gtgcttggcc ccatcgatca cttctaggct tgagacagcc ctgccagccc cggcgccac 420
ttctgggccc tggcca 436
```

```
<210> 1844
<211> 199
<212> DNA
<213> Mus musculus
```

```
<400> 1844
gactgagatc ctctgattcc aggtaccata caaagatggt tacaagaaat gcagaggtaa 60
aacagctgct ccgaaagcca accttttgtg tccttaacgg cagagtgtca gttaaatacgc 120
cccagcgccc ggaagctttt attcatgttt acactgctgt gagtagttat aaataaataa 180
accaataaat aaatgctgg 199
```

```
<210> 1845
<211> 105
<212> DNA
<213> Mus musculus
```

```
<400> 1845
gactgatgga ggcgagaaga gcccgaaagga agaagtggaa ttgcagatgt ctagtcaacc 60
aagcacggct cctgcaaagg ctaaagcaac ggggaaaaaa aaaaa 105
```

```
<210> 1846
<211> 111
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 24, 51, 53, 69, 71, 78, 84, 93
<223> n = A,T,C or G
```

```
<400> 1846
caggctgggc cacagccaac tgcnctactt gagcatgggt ggctccagat ntntccttc 60
aaactggant nagctgggcc tcanaaaaac ttntccccc aaccagctt c 111
```

```
<210> 1847
<211> 289
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> 32, 34, 45, 54, 62, 68, 70, 114, 115, 117, 127, 146, 147,
148, 149, 151, 156, 164, 167, 169, 173, 179, 256, 264, 265,
266, 271
<223> n = A,T,C or G
```

```
<400> 1847
aaagctaagt ctcatectca tcaaagaaga gncnccttac ttcanacaga gacngcttca 60
anagcccn cn gatgatctaa cacagagaac actcggccag cgttggtgaa ccnnncngat 120
gcaacanccc ctgccctgag aactcnnnnc ngaggngagg gtgngangna tngngggagnc 180
agtgaacctg gatgttggt gtgaacattt tcccactgac tgatcttcca aaagttctga 240
gttcaaatcc caccanccac atgnnnatct nacaccctct tctgggtgtg 289
```

```
<210> 1848
<211> 257
<212> DNA
<213> Mus musculus
```

- REPLACEMENT COPY -

<220>

<221> misc_feature

<222> 26, 36, 51, 67, 69, 183, 193, 218, 224, 236

<223> n = A,T,C or G

<400> 1848

atgaccaca	gcagatcagt	actganggaa	gctcanggtc	gattctatct	natggggaag	60
gaaaatngnc	ataattgctc	cctggacatc	agagatgcac	agaaaatcga	cacagggacg	120
tacttcttca	gattggatgg	gtctgtgaaa	tacagttttc	agaagtcaat	gctatctgag	180
ctngtgatag	ctntgactga	gggccctaac	atccaagnca	catntaccct	gggtntggc	240
aattctacca	aactgct					257